

HIGH-GRADE
SPECIALTIES

WOLVERINE

**WOLVERINE
BRASS WORKS**

GRAND RAPIDS, MICHIGAN.

NUMBER 16513

REGISTERED APR 7 - 1915

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WOLVERINE BRASS WORKS

ILLUSTRATED CATALOGUE

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MAIN FACTORY

WOLVERINE BRASS WORKS

HIGH GRADE PLUMBING
SPECIALTIES

"From Factory direct to the Trade"

GRAND RAPIDS, MICHIGAN, U. S. A.

CABLE ADDRESS—"WOLBRASS"
WESTERN UNION CODE

COST

A well known, but often overlooked, item by buyers is a comparison of the ultimate installation cost of various fixtures.

Our aim is to furnish highly finished, properly packed goods with threads and parts fitted, gaskets ready for use, and parts interchangeable, thereby saving time and money.

A Cheap Article often proves Expensive.

WOLVERINE TRAPS E



Over 700 Styles and Sizes

For Specifications, etc., see Page 35

"The Dependable Line"

Extra Quality Heavy Tubing Used. Cast Nuts and Plugs. Highest Grade Nickel Finish. Every Trap Tested. Guaranteed in every respect.



Wolverine Adjustable Traps

HEAVY BRASS—NICKELED

"S" Vented, With Cast Lavatory Connection

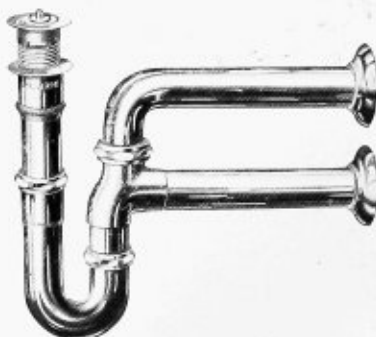


PATENT
METALLIC JOINT

Number	Size	S. J. Inlet	Each
10	1 1/4"	1 1/4"	\$3.20
11	1 1/2"	1 1/2"	4.20
12	1 1/2"	1 1/4"	4.20

Also made with Cleanout Screw, see Discount Sheet

"P" Vented, With Cast Lavatory Connection



PATENT
METALLIC JOINT

Number	Size	S. J. Inlet	Each
18	1 1/4"	1 1/4"	\$3.00
19	1 1/2"	1 1/2"	4.00
20	1 1/2"	1 1/4"	4.00

Also made with Cleanout Screw, see Discount Sheet
Trap Specifications, "D" Basin Offsets, etc., see Pages 35-38



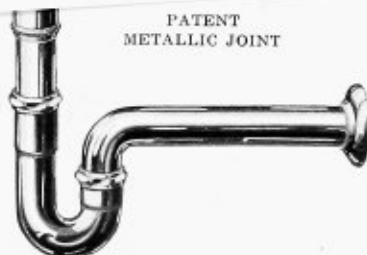
Wolverine Adjustable Traps

HEAVY BRASS—NICKELED

“S” Plain, With Cast Lavatory Connection



FACE JOINT



PATENT
METALLIC JOINT

Number	Size	S. J. Inlet	Each
34	1 1/4"	1 1/4"	\$2.00
35	1 1/2"	1 1/2"	2.40
36	1 1/2"	1 1/4"	2.40

Number	Size	S. J. Inlet	Each
38	1 1/4"	1 1/4"	\$2.00
39	1 1/2"	1 1/2"	2.40
40	1 1/2"	1 1/4"	2.40

Also made with Cleanout Screw, see Discount Sheet
Trap Slip Joints, Sanitary Tees, etc., see Pages 96-112



Wolverine Adjustable Traps

HEAVY BRASS—NICKELED

"S" Vented, With Cast Lavatory Connection



Wolverine Adjustable Trap

HEAVY BRASS—NICKELED

"S" Vented

Ground Joint
Vent Over Outlet, Cast Tee Bend



Number	Size	S. J. Inlet	Each
010	1 1/4"	1 1/4"	\$3.24
011	1 1/2"	1 1/2"	4.30
012	1 1/2"	1 3/4"	4.30

PATENT
METALLIC JOINT



Number	Size	S. J. Inlet	Each
18	1 1/4"	1 1/4"	\$3.00
19	1 1/2"	1 1/2"	4.00
20	1 1/2"	1 3/4"	4.00

Also made with Cleanout Screw, see Discount Sheet
Trap Specifications, "D" Basin Offsets, etc., see Pages 35-38



Wolverine Adjustable Traps

HEAVY BRASS—NICKELED

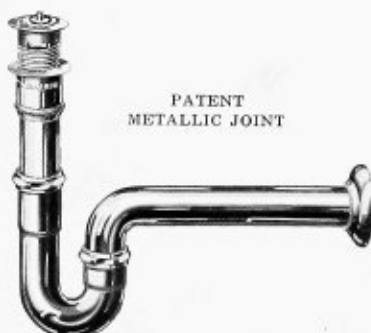
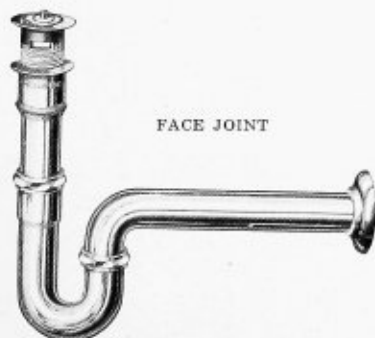
"S" Plain, With Cast Lavatory Connection



Number	Size	S. J. Inlet	Each
26	1 1/4"	1 1/4"	\$2.30
27	1 1/2"	1 1/2"	3.20
28	1 3/4"	1 3/4"	3.20

Also made with Cleanout Screw, see Discount Sheet

"P" Plain, With Cast Lavatory Connection



Number	Size	S. J. Inlet	Each
34	1 1/4"	1 1/4"	\$2.00
35	1 1/2"	1 1/2"	2.40
36	1 3/4"	1 3/4"	2.40

Number	Size	S. J. Inlet	Each
38	1 1/4"	1 1/4"	\$2.00
39	1 1/2"	1 1/2"	2.40
40	1 3/4"	1 3/4"	2.40

Also made with Cleanout Screw, see Discount Sheet
Trap Slip Joints, Sanitary Tees, etc., see Pages 96-112



Wolverine Adjustable Traps

HEAVY BRASS—NICKELED

"S" Vented, With Sink Connection



PATENT
METALLIC JOINT

Number	Size	S. J. Inlet	Each
10-S	1 1/4"	1 1/4"	\$3.20
11-S	1 1/2"	1 1/2"	4.20
12-S	1 3/4"	1 3/4"	4.20

Also made with Cleanout Screw, see Discount Sheet

"P" Vented, With Sink Connection



PATENT
METALLIC JOINT

Number	Size	S. J. Inlet	Each
18-S	1 1/4"	1 1/4"	\$3.00
19-S	1 1/2"	1 1/2"	4.00
20-S	1 3/4"	1 3/4"	4.00

Also made with Cleanout Screw, see Discount Sheet
Trap Specifications, "D" Basin Offsets, etc., see Pages 35-38

Wolverine Adjustable Traps

HEAVY BRASS—NICKELED

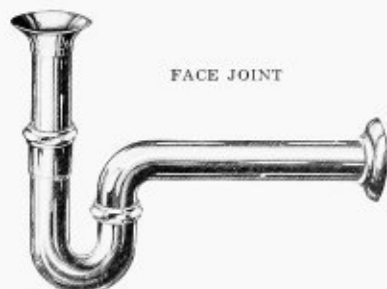
"S" Plain, With Sink Connection



Number	Size	S. J. Inlet	Each
26-S	1 1/4"	1 1/4"	\$2.30
27-S	1 1/2"	1 1/2"	3.20
28-S	1 3/4"	1 3/4"	3.20

Also made with Cleanout Screw, see Discount Sheet

"P" Plain, With Sink Connection



Number	Size	S. J. Inlet	Each	Number	Size	S. J. Inlet	Each
34-S	1 1/4"	1 1/4"	\$2.00	38-S	1 1/4"	1 1/4"	\$2.00
35-S	1 1/2"	1 1/2"	2.40	39-S	1 1/2"	1 1/2"	2.40
36-S	1 3/4"	1 3/4"	2.40	40-S	1 3/4"	1 3/4"	2.40

Also made with Cleanout Screw, see Discount Sheet
Trap Slip Joints, Sanitary Tees, etc., see Pages 96-112



Wolverine Adjustable Traps

HEAVY BRASS—NICKELED

"S" Vented, With Offset for "D" Lavatory

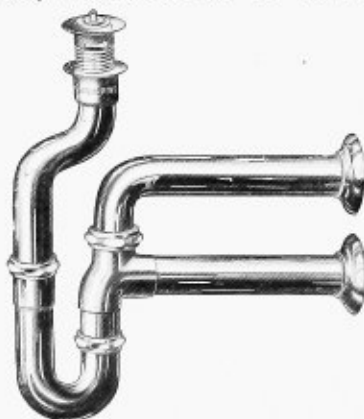


PATENT
METALLIC JOINT

Number	Size	S. J. Inlet	Each
41	1 1/4"	1 1/4"	\$3.40
42	1 1/2"	1 1/2"	4.40
43	1 3/4"	1 3/4"	4.40

Also made with Cleanout Screw, see Discount Sheet

"P" Vented, With Offset for "D" Lavatory



PATENT
METALLIC JOINT

Number	Size	S. J. Inlet	Each
44	1 1/4"	1 1/4"	\$3.20
45	1 1/2"	1 1/2"	4.20
46	1 3/4"	1 3/4"	4.20

Also made with Cleanout Screw, see Discount Sheet
Trap Specifications, "D" Basin Offsets, etc., see Pages 35-38



Wolverine Adjustable Traps

HEAVY BRASS—NICKELED

"S" Plain, With Offset for "D" Lavatory

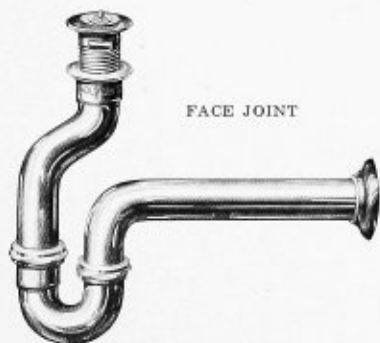


FACE JOINT

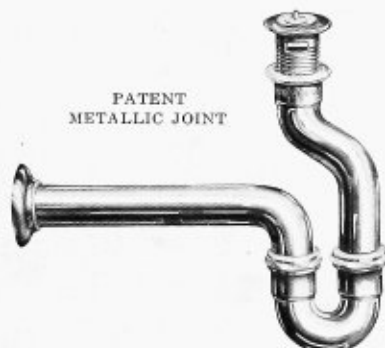
Number	Size	S. J. Inlet	Each
47	1 1/4"	1 1/4"	\$2.50
48	1 1/2"	1 1/2"	3.40
49	1 3/4"	1 3/4"	3.40

Also made with Cleanout Screw, see Discount Sheet

"P" Plain, With Offset for "D" Lavatory



FACE JOINT



PATENT
METALLIC JOINT

Number	Size	S. J. Inlet	Each	Number	Size	S. J. Inlet	Each
50	1 1/4"	1 1/4"	\$2.20	53	1 1/4"	1 1/4"	\$2.20
51	1 1/2"	1 1/2"	2.60	54	1 1/2"	1 1/2"	2.60
52	1 3/4"	1 3/4"	2.60	55	1 3/4"	1 3/4"	2.60

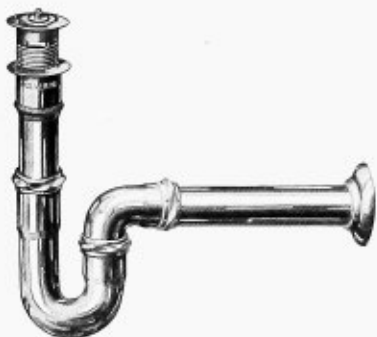
Also made with Cleanout Screw, see Discount Sheet
Trap Slip Joints, Sanitary Tees, etc., see Pages 96-112



Wolverine Adjustable Traps

HEAVY BRASS—NICKELED

"P" Plain, With Cast Lavatory Connection



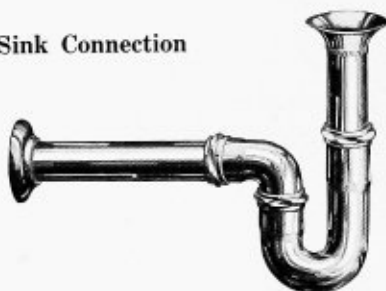
PATENT METALLIC JOINTS

Number	Size	S. J. Inlet	Each
56	1 1/4"	1 1/4"	\$2.20
57	1 1/2"	1 1/2"	2.70
58	1 1/2"	1 1/4"	2.70

"P" Plain, With Sink Connection

PATENT METALLIC JOINTS

Number	Size	S. J. Inlet	Each
56-S	1 1/4"	1 1/4"	\$2.20
57-S	1 1/2"	1 1/2"	2.70
58-S	1 1/2"	1 1/4"	2.70



"P" Plain, Waste Tapped for Iron Pipe

WITH CAST LAVATORY CONNECTION

WITH SINK CONNECTION



FACE JOINTS



Number	Outlet	Inlet	Each
59	1 1/4" I. P.	1 1/4" S. J.	\$2.20
60	1 1/2" I. P.	1 1/2" S. J.	2.60
61	1 1/2" I. P.	1 1/4" S. J.	2.60

Number	Outlet	Inlet	Each
59-S	1 1/4" I. P.	1 1/4" S. J.	\$2.20
60-S	1 1/2" I. P.	1 1/2" S. J.	2.60
61-S	1 1/2" I. P.	1 1/4" S. J.	2.60

Also made with Cleanout Screw, see Discount Sheet
Trap Specifications, "D" Basin Offsets, etc., see Pages 35-38



Wolverine Duplex Traps

CAST BRASS—NICKELED

"S" Plain, With Cleanout Screw

WITH CAST LAVATORY CONNECTION

WITH SINK CONNECTION



PATENT
METALLIC JOINT



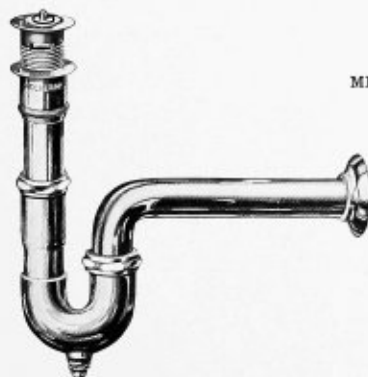
Number	Size	S. J. Inlet	Each
70 . . .	1 1/4"	1 1/4"	\$2.80
71 . . .	1 1/2"	1 1/2"	3.70
72 . . .	1 3/4"	1 3/4"	3.70

Number	Size	S. J. Inlet	Each
70-S . . .	1 1/4"	1 1/4"	\$2.80
71-S . . .	1 1/2"	1 1/2"	3.70
72-S . . .	1 3/4"	1 3/4"	3.70

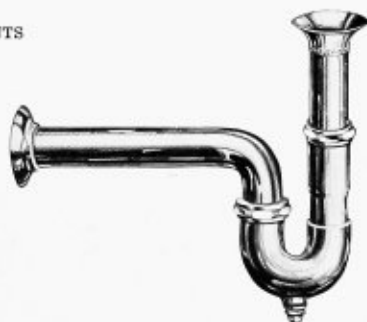
"P" Plain, With Cleanout Screw

WITH CAST LAVATORY CONNECTION

WITH SINK CONNECTION



PATENT
METALLIC JOINTS



Number	Size	S. J. Inlet	Each
75 . . .	1 1/4"	1 1/4"	\$2.50
76 . . .	1 1/2"	1 1/2"	2.90
77 . . .	1 3/4"	1 3/4"	2.90

Number	Size	S. J. Inlet	Each
75-S . . .	1 1/4"	1 1/4"	\$2.50
76-S . . .	1 1/2"	1 1/2"	2.90
77-S . . .	1 3/4"	1 3/4"	2.90

Trap Specifications, "D" Basin Offsets, etc., see Pages 35-38

Trap Slip Joints, Sanitary Tees, etc., see Pages 96-112



Wolverine Universal Traps

CAST BRASS—NICKELED

"P" Plain, With Cast Lavatory Connection

WITH CLEANOUT SCREW

PATENT
METALLIC JOINTS

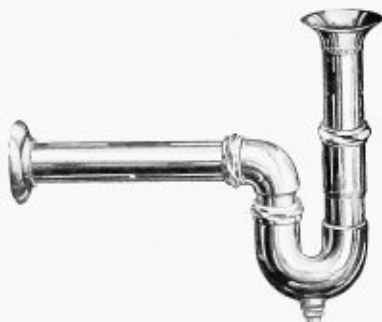


Number	Size	S. J. Inlet	Each
80	1 1/4"	1 1/4"	\$3.00
81	1 1/2"	1 1/2"	3.40
82	1 3/4"	1 3/4"	3.40

"P" Plain, With Sink Connection

WITH CLEANOUT SCREW

PATENT
METALLIC JOINTS



Number	Size	S. J. Inlet	Each
80-S	1 1/4"	1 1/4"	\$3.00
81-S	1 1/2"	1 1/2"	3.40
82-S	1 3/4"	1 3/4"	3.40

Above Traps have Double Adjustment on Outlet
Trap Specifications, "D" Basin Offsets, etc., see Pages 35-38



Wolverine Integral Traps

CAST BRASS—NICKELED

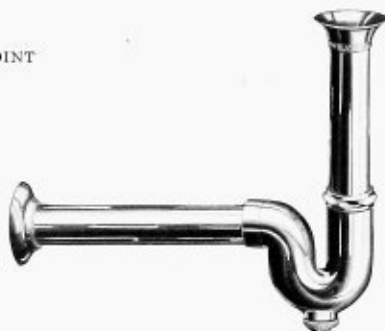
"P" Plain, With Cleanout Screw

CAST LAVATORY CONNECTION

SINK CONNECTION



THREADED JOINT



Number	Size	S. J. Inlet	Each
90	1 1/4"	1 1/4"	\$2.60
91	1 1/2"	1 1/2"	3.00
92	1 3/4"	1 3/4"	3.00

Number	Size	S. J. Inlet	Each
90-S	1 1/4"	1 1/4"	\$2.60
91-S	1 1/2"	1 1/2"	3.00
92-S	1 3/4"	1 3/4"	3.00

"P" Plain, Waste Tapped for Fine Thread

WITH CLEANOUT SCREW

CAST LAVATORY CONNECTION

SINK CONNECTION



Unless otherwise specified 27 threads to the inch will be furnished

Fine Thread
Taps and Dies
Listed on Pages
405-407



Number	Outlet	Inlet	Each
95	1 1/4" F. T.	1 1/4" S. J.	\$2.40
96	1 1/2" F. T.	1 1/2" S. J.	2.80
97	1 3/4" F. T.	1 3/4" S. J.	2.80

Number	Outlet	Inlet	Each
95-S	1 1/4" F. T.	1 1/4" S. J.	\$2.40
96-S	1 1/2" F. T.	1 1/2" S. J.	2.80
97-S	1 3/4" F. T.	1 3/4" S. J.	2.80

Trap Specifications, "D" Basin Offsets, etc., see Pages 35-38
Trap Slip Joints, Sanitary Tees, etc., see Pages 96-112



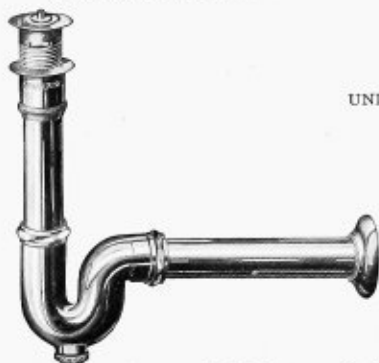
Wolverine Integral Traps

CAST BRASS—NICKELED

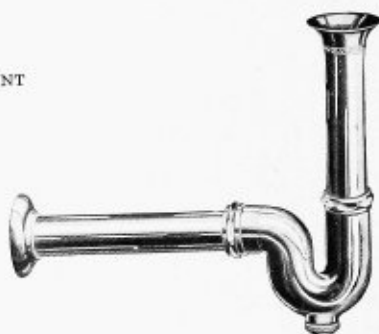
"P" Plain, With Cleanout Screw

CAST LAVATORY CONNECTION

SINK CONNECTION



UNION FACE JOINT



Number	Size	S. J. Inlet	Each
100	1 1/4"	1 1/4"	\$2.80
101	1 1/2"	1 1/2"	3.20
102	1 1/2"	1 1/4"	3.20

Number	Size	S. J. Inlet	Each
100-S	1 1/4"	1 1/4"	\$2.80
101-S	1 1/2"	1 1/2"	3.20
102-S	1 1/2"	1 1/4"	3.20

"P" Plain, Waste Tapped for Iron Pipe

WITH CLEANOUT SCREW

CAST LAVATORY CONNECTION

SINK CONNECTION



Number	Outlet	Inlet	Each
105	1 1/4" I.P.	1 1/4" S.J.	\$2.50
106	1 1/2" I.P.	1 1/2" S.J.	2.90
107	1 1/2" I.P.	1 1/4" S.J.	2.90

Number	Outlet	Inlet	Each
105-S	1 1/4" I.P.	1 1/4" S.J.	\$2.50
106-S	1 1/2" I.P.	1 1/2" S.J.	2.90
107-S	1 1/2" I.P.	1 1/4" S.J.	2.90

Trap Specifications, "D" Basin Offsets, etc., see Pages 35-38
 Trap Slip Joints, Sanitary Tees, etc., see Pages 96-112



Wolverine Bag Traps

CAST BRASS—NICKELED

"P" Plain, With Cleanout Screw

CAST LAVATORY CONNECTION



THREADED JOINT

Number	Size	S. J. Inlet	Each
130	1 1/4"	1 1/4"	\$3.20
131	1 1/2"	1 1/2"	3.90
132	1 3/4"	1 3/4"	3.90

"P" Plain, Waste Tapped for Iron Pipe

CAST LAVATORY CONNECTION

Number	Outlet	Inlet	Each
133	1 1/4" I. P.	1 1/4" S. J.	\$3.10
134	1 1/2" I. P.	1 1/2" S. J.	3.80
135	1 3/4" I. P.	1 3/4" S. J.	3.80



"P" Plain, With Cast Lavatory Connection

FACE JOINT



Number	Size	S. J. Inlet	Each
136	1 1/4"	1 1/4"	\$3.40
137	1 1/2"	1 1/2"	4.10
138	1 3/4"	1 3/4"	4.10

NOTE—Add the letter "S" after figure number if sink connection is wanted instead of lavatory connection on Bag Traps.

Trap Specifications, "D" Basin Offsets, etc., see Pages 35-38
Trap Slip Joints, Sanitary Tees, etc., see Pages 96-112



Wolverine Deep Seal Traps

CAST BRASS—NICKELED

"S" Plain, With Lavatory Connection

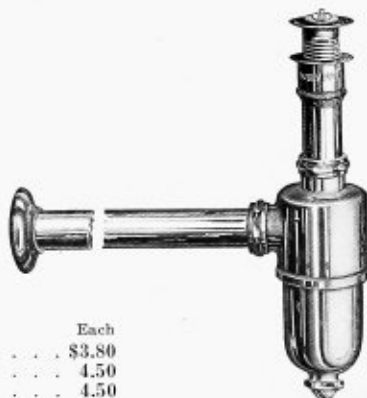


PATENT METALLIC JOINT

Number	Size	S. J. Inlet	Each
160	1 1/4"	1 1/4"	\$4.00
161	1 1/2"	1 1/2"	5.00
162	1 3/4"	1 3/4"	5.00

Internal Tube is indestructible seamless copper in all Wolverine Deep Seal Traps

"P" Plain, With Lavatory Connection



PATENT METALLIC JOINT

Number	Size	S. J. Inlet	Each
163	1 1/4"	1 1/4"	\$3.80
164	1 1/2"	1 1/2"	4.50
165	1 3/4"	1 3/4"	4.50

Traps Vented or with Offset Inlet or Outlet, see Page 20
Trap Specifications, Connections, etc., see Pages 35-38

Wolverine Deep Seal Traps

CAST BRASS—NICKELED

"S" Plain, With Sink Connection

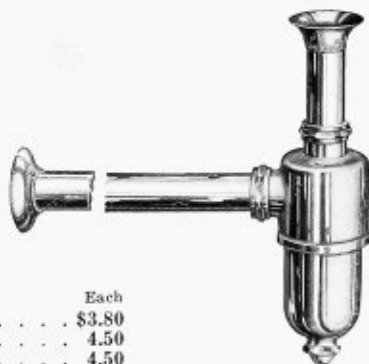


PATENT METALLIC JOINT

Number	Size	S. J. Inlet	Each
160-S	1 1/4"	1 1/4"	\$4.00
161-S	1 1/2"	1 1/2"	5.00
162-S	1 3/4"	1 3/4"	5.00

Internal Tube is indestructible seamless copper in all Wolverine Deep Seal Traps

"P" Plain, With Sink Connection



PATENT METALLIC JOINT

Number	Size	S. J. Inlet	Each
163-S	1 1/4"	1 1/4"	\$3.80
164-S	1 1/2"	1 1/2"	4.50
165-S	1 3/4"	1 3/4"	4.50

Traps Vented or with Offset Inlet or Outlet, see Page 20
Trap Slip Joints, Sanitary Tees, etc., see Pages 96-112



Wolverine Deep Seal Traps

CAST BRASS—NICKELED

WITH VENT TUBE



WITH OFFSET
INLET



WITH OFFSET
WASTE



FOR VENT TUBE
specify by adding "V" after number
of Deep Seal Trap desired.

FOR OFFSET INLET
specify by adding letter "D" after
number of Deep Seal Trap desired.

FOR OFFSET WASTE
specify by adding "½" after number
of Deep Seal Trap desired.

Add to List For	Size of Trap	Each
Vent Tube on.	1 ¼"	\$1.50
Vent Tube on.	1 ½"	2.00
Offset Inlet on.	1 ¼"	.30
Offset Inlet on.	1 ½"	.30
Offset Waste on.	1 ¼"	.40
Offset Waste on.	1 ½"	.40



Wolverine Deep Seal Traps

CAST BRASS—NICKELED

"P" Plain, Waste Tapped for Iron Pipe

CAST LAVATORY CONNECTION

SINK CONNECTION



Number	Outlet	Inlet	Each
170	1 1/4" I. P. .	1 1/4" S. J. .	\$3.40
171	1 1/2" I. P. .	1 1/2" S. J. .	4.00
172	1 1/2" I. P. .	1 1/4" S. J. .	4.00

Number	Outlet	Inlet	Each
170-S	1 1/4" I. P. .	1 1/4" S. J. .	\$3.40
171-S	1 1/2" I. P. .	1 1/2" S. J. .	4.00
172-S	1 1/2" I. P. .	1 1/4" S. J. .	4.00

"P" Plain, Waste Tapped for Fine Thread

27 threads to the inch

CAST LAVATORY CONNECTION

SINK CONNECTION



Number	Outlet	Inlet	Each
173	1 1/4" F. T. .	1 1/4" S. J. .	\$3.30
174	1 1/2" F. T. .	1 1/2" S. J. .	3.90
175	1 1/2" F. T. .	1 1/4" S. J. .	3.90

Number	Outlet	Inlet	Each
173-S	1 1/4" F. T. .	1 1/4" S. J. .	\$3.30
174-S	1 1/2" F. T. .	1 1/2" S. J. .	3.90
175-S	1 1/2" F. T. .	1 1/4" S. J. .	3.90

Traps with Offset Inlet, see Page 20

Fine Threading Sets, Taps and Dies, see Pages 405-407



Simplex Centrifugal Traps

CAST BRASS—NICKELED

ANTI-SYPHON—WITH CLEANOUT SCREW

PATENT METALLIC JOINT

"S" Plain

With Cast Lavatory Connection

Number	Size	S. J. Inlet	Each
180	1 1/4"	1 1/4"	\$5.00
181	1 1/2"	1 1/2"	6.00
182	1 3/4"	1 3/4"	6.00

Simplex Centrifugal Traps
can be swung around
and adjusted to various
positions



"P" Plain, With Cast Lavatory Connection



Number	Size	S. J. Inlet	Each
183	1 1/4"	1 1/4"	\$4.50
184	1 1/2"	1 1/2"	5.50
185	1 3/4"	1 3/4"	5.50

For Offset Inlet Connections, see Figure Numbers 344-349
Trap Specifications, Connections, etc., see Pages 35-38



Simplex Centrifugal Traps

CAST BRASS—NICKELED

ANTI-SYPHON—WITH CLEANOUT SCREW

PATENT METALLIC JOINT

“S” Plain

With Sink Connection

Number	Size	S. J. Inlet	Each
180-S	1 1/4"	1 1/4"	\$5.00
181-S	1 1/2"	1 1/2"	6.00
182-S	1 3/4"	1 3/4"	6.00

Simplex Centrifugal Traps
can be swung around
and adjusted to various
positions.



“P” Plain, With Sink Connection



Number	Size	S. J. Inlet	Each
183-S	1 1/4"	1 1/4"	\$4.50
184-S	1 1/2"	1 1/2"	5.50
185-S	1 3/4"	1 3/4"	5.50

For Offset Inlet Connections, see Figure Numbers 344-349
Trap Slip Joints, Sanitary Tees, etc., see Pages 96-112



Whirlscour Traps

CAST BRASS—NICKELED

ANTI-SYPHON—CENTRIFUGAL ACTION

Patented

WITH CLEANOUT SCREW

"S" Plain

With Cast Lavatory Connection

Number	Size	S. J. Inlet	Each
190	1 1/4"	1 1/4"	\$5.50
191	1 1/2"	1 1/2"	6.50
192	1 3/4"	1 3/4"	6.50

Ground Joint Inlet
Patent Metallic
Joint Outlet



Whirlscour

Traps can be swung around and adjusted to various positions

"P" Plain, With Cast Lavatory Connection



Ground Joint Inlet
Patent Metallic
Joint Outlet

Number	Size	S. J. Inlet	Each
193	1 1/4"	1 1/4"	\$5.00
194	1 1/2"	1 1/2"	6.00
195	1 3/4"	1 3/4"	6.00

For Offset Inlet Connections, see Figure Numbers 344-349
Trap Specifications, Connections, etc., see Pages 35-38



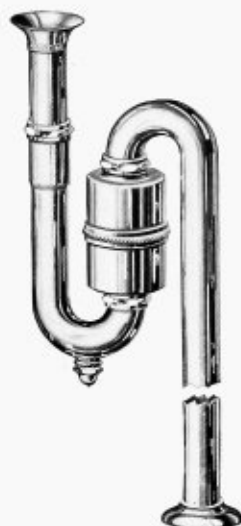
Whirlscour Traps

CAST BRASS—NICKELED

ANTI-SYPHON—CENTRIFUGAL ACTION

Patented

WITH CLEANOUT SCREW



“S” Plain With Sink Connection

Number	Size	S. J. Inlet	Each
190-S	1 1/4"	1 1/4"	\$5.50
191-S	1 1/2"	1 1/2"	6.50
192-S	1 3/4"	1 3/4"	6.50

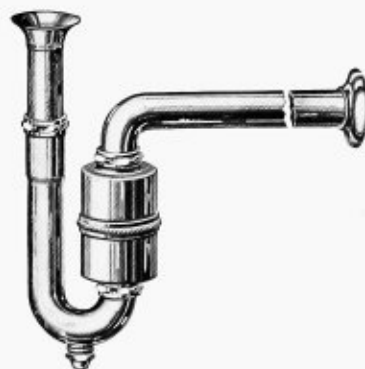
Ground Joint Inlet
Patent Metallic
Joint Outlet

Whirlscour

Traps can be swung around and adjusted to various positions

“P” Plain, With Sink Connection

Ground Joint Inlet
Patent Metallic
Joint Outlet



Number	Size	S. J. Inlet	Each
193-S	1 1/4"	1 1/4"	\$5.00
194-S	1 1/2"	1 1/2"	6.00
195-S	1 3/4"	1 3/4"	6.00

For Offset Inlet Connections, see Figure Numbers 344-349
Trap Slip Joints, Sanitary Tees, etc., see Pages 96-112



Wolverine Centrifugal Traps

CAST BRASS—NICKELED

ANTI-SYPHON—WITH CLEANOUT SCREW

Patented



“S” Plain, With Cast Lavatory Connection

PATENT METALLIC JOINT

Number	Size	S. J. Inlet	Each
200	1 1/4"	1 1/4"	\$6.50
201	1 1/2"	1 1/2"	8.50
202	1 3/4"	1 3/4"	8.50

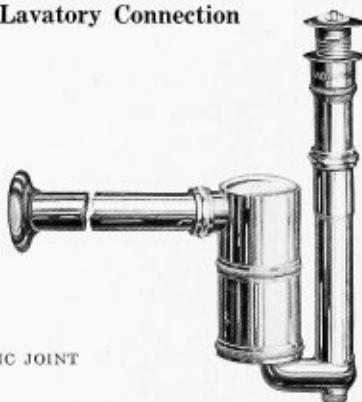
Centrifugal

Traps can be swung around and adjusted to various positions.
See Page 30

“P” Plain, With Cast Lavatory Connection

NOTE—

Centrifugal action of water shown in sectional cut on Page 30.



PATENT METALLIC JOINT

Number	Size	S. J. Inlet	Each
203	1 1/4"	1 1/4"	\$5.70
204	1 1/2"	1 1/2"	7.50
205	1 3/4"	1 3/4"	7.50

Traps with Offset Inlet or Outlet, see Page 30
Trap Specifications, Connections, etc., see Pages 35-38



Wolverine Centrifugal Traps

CAST BRASS—NICKELED

ANTI-SYPHON—WITH CLEANOUT SCREW

Patented



"S" Plain, With Sink Connection

PATENT METALLIC JOINT

Number	Size	S. J. Inlet	Each
200-S	1 1/4"	1 1/4"	\$6.50
201-S	1 1/2"	1 1/2"	8.50
202-S	1 1/2"	1 1/4"	8.50

Centrifugal

Traps can be swung around and
adjusted to various positions.

See Page 30

"P" Plain, With Sink Connection

NOTE—

Centrifugal action of water
shown in sectional cut on
Page 30.



PATENT METALLIC JOINT

Number	Size	S. J. Inlet	Each
203-S	1 1/4"	1 1/4"	\$5.70
204-S	1 1/2"	1 1/2"	7.50
205-S	1 1/2"	1 1/4"	7.50

Traps with Offset Inlet or Outlet, see Page 30
Trap Slip Joints, Sanitary Tees, etc., see Pages 96-112



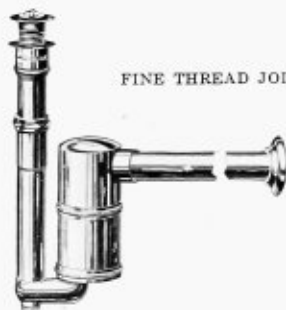
Wolverine Centrifugal Traps

CAST BRASS—NICKELED

ANTI-SYPHON—WITH CLEANOUT SCREW

Patented

“P” Plain, With Cast Lavatory Connection



FINE THREAD JOINT

Number	Size	S. J. Inlet	Each
210	1 1/4"	1 1/4"	\$5.60
211	1 1/2"	1 1/2"	7.40
212	1 3/4"	1 3/4"	7.40

“S” Plain, With Cast Lavatory Connection



Traps on this page furnished with Sink Connections if letter “S” is specified after figure number



WASTE TAPPED FINE THREAD

Number	Outlet	Inlet	Each
216	1 1/4" F. T.	1 1/4" S. J.	\$5.60
217	1 1/2" F. T.	1 1/2" S. J.	7.40
218	1 3/4" F. T.	1 3/4" S. J.	7.40

FINE THREAD JOINT

Number	Size	S. J. Inlet	Each
213	1 1/4"	1 1/4"	\$6.40
214	1 1/2"	1 1/2"	8.40
215	1 3/4"	1 3/4"	8.40

WASTE TAPPED IRON PIPE SIZE

Number	Outlet	Inlet	Each
219	1 1/4" I. P.	1 1/4" S. J.	\$5.70
220	1 1/2" I. P.	1 1/2" S. J.	7.50
221	1 3/4" I. P.	1 3/4" S. J.	7.50

Traps with Offset Inlet or Outlet, see Page 30
Trap Specifications, Connections, etc., see Pages 35-38



Wolverine Centrifugal Traps

CAST BRASS—NICKELED

WASTE TAPPED FOR IRON PIPE

Patented

WITH CAST
LAVATORY CONNECTION



WITH
SINK CONNECTION



ANTI-SYPHON
WITH
CLEANOUT SCREW

Number	Outlet	Inlet	Each
222	1 1/4" I. P. . .	1 1/4" S. J. . .	\$5.20
223	1 1/2" I. P. . .	1 1/2" S. J. . .	6.90
224	1 1/2" I. P. . .	1 1/4" S. J. . .	6.90

Number	Outlet	Inlet	Each
222-S	1 1/4" I. P. . .	1 1/4" S. J. . .	\$5.20
223-S	1 1/2" I. P. . .	1 1/2" S. J. . .	6.90
224-S	1 1/2" I. P. . .	1 1/4" S. J. . .	6.90

WASTE TAPPED FOR FINE THREAD

27 threads to the inch

WITH CAST
LAVATORY CONNECTION



WITH
SINK CONNECTION



ANTI-SYPHON
WITH
CLEANOUT SCREW

Number	Outlet	Inlet	Each
225	1 1/4" F. T. . .	1 1/4" S. J. . .	\$5.10
226	1 1/2" F. T. . .	1 1/2" S. J. . .	6.80
227	1 1/2" F. T. . .	1 1/4" S. J. . .	6.80

Number	Outlet	Inlet	Each
225-S	1 1/4" F. T. . .	1 1/4" S. J. . .	\$5.10
226-S	1 1/2" F. T. . .	1 1/2" S. J. . .	6.80
227-S	1 1/2" F. T. . .	1 1/4" S. J. . .	6.80

Traps with Offset Inlet, see Page 30

Trap Slip Joints, Sanitary Tees, etc., see Pages 96-112



Wolverine Centrifugal Traps

CAST BRASS—NICKELED

ANTI-SYPHON—WITH CLEANOUT SCREW

ILLUSTRATIONS

Showing a few of the many adjustments of "Wolverine" Centrifugal Traps

SECTIONAL VIEW

Showing interior inlet and centrifugal motion.



The water motion is both centrifugal and upward, therefore will cleanse the trap and expel matter other traps retain.

FOR OFFSET INLET

Specify by adding the letter "D" after the number of Trap desired.

Add to List for	Size of Trap	Each
Offset Inlet on . .	1 1/4" . .	\$0.30
Offset Inlet on . .	1 1/2" . .	.30



FOR OFFSET WASTE

Specify by adding "1/2" after the number of Trap desired.

Add to List for	Size of Trap	Each
Offset Waste on . .	1 1/4" . .	\$0.30
Offset Waste on . .	1 1/2" . .	.40

A Deep Water Seal, Perfectly Smooth Interior and Large Capacity, makes a most desirable combination.



Wolverine Centrifugal Traps

CAST IRON

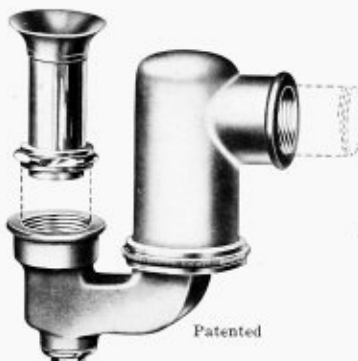
ADJUSTABLE—ANTI-SYPHON

FOR IRON PIPE—WITH CLEANOUT SCREW

We do not furnish Iron Pipe or Elbows.

For cleaning, this Trap can be taken apart very easily as connections between parts are Cast Brass.

Body can be swung around and adjusted to various positions.



Traps can be installed by using regular $1\frac{1}{2}$ " pipe to wall or by adding street elbow for floor run.

Is cheaper to install than Lead Traps. More durable, gives better satisfaction and is sanitary in every way.

TRAP ONLY—TO WALL

Number	Inlet Tapped for	Outlet Tapped for	Finish	Each
230	$1\frac{1}{4}$ " Iron Pipe	$1\frac{1}{2}$ " Iron Pipe	Aluminum	\$2.20
230-G	$1\frac{1}{4}$ " Iron Pipe	$1\frac{1}{2}$ " Iron Pipe	Galvanized	2.50
231	$1\frac{1}{2}$ " Iron Pipe	$1\frac{1}{2}$ " Iron Pipe	Aluminum	2.20
231-G	$1\frac{1}{2}$ " Iron Pipe	$1\frac{1}{2}$ " Iron Pipe	Galvanized	2.50

WITH SLIP JOINT NUT ONLY

Number	Inlet Tapped for	Outlet Tapped for	Finish	Each
232	$1\frac{1}{4}$ " Iron Pipe	$1\frac{1}{2}$ " Iron Pipe	Aluminum	\$2.40
232-G	$1\frac{1}{4}$ " Iron Pipe	$1\frac{1}{2}$ " Iron Pipe	Galvanized	2.70
233	$1\frac{1}{2}$ " Iron Pipe	$1\frac{1}{2}$ " Iron Pipe	Aluminum	2.40
233-G	$1\frac{1}{2}$ " Iron Pipe	$1\frac{1}{2}$ " Iron Pipe	Galvanized	2.70

WITH IRON SINK COLLAR ONLY

Number	Inlet Tapped for	Outlet Tapped for	Finish	Each
234	$1\frac{1}{4}$ " Iron Pipe	$1\frac{1}{2}$ " Iron Pipe	Aluminum	\$2.40
234-G	$1\frac{1}{4}$ " Iron Pipe	$1\frac{1}{2}$ " Iron Pipe	Galvanized	2.70
235	$1\frac{1}{2}$ " Iron Pipe	$1\frac{1}{2}$ " Iron Pipe	Aluminum	2.40
235-G	$1\frac{1}{2}$ " Iron Pipe	$1\frac{1}{2}$ " Iron Pipe	Galvanized	2.70

WITH BRASS SINK CONNECTION AND S. J. NUT

Number	Inlet Tapped for	Outlet Tapped for	Finish	Each
236	$1\frac{1}{4}$ " Iron Pipe	$1\frac{1}{2}$ " Iron Pipe	Aluminum	\$2.60
236-G	$1\frac{1}{4}$ " Iron Pipe	$1\frac{1}{2}$ " Iron Pipe	Galvanized	2.90
237	$1\frac{1}{2}$ " Iron Pipe	$1\frac{1}{2}$ " Iron Pipe	Aluminum	2.60
237-G	$1\frac{1}{2}$ " Iron Pipe	$1\frac{1}{2}$ " Iron Pipe	Galvanized	2.90

WITH CAST BRASS LAVATORY CONNECTION AND S. J. NUT

Number	Inlet Tapped for	Outlet Tapped for	Finish	Each
238	$1\frac{1}{4}$ " Iron Pipe	$1\frac{1}{2}$ " Iron Pipe	Aluminum	\$2.70
238-G	$1\frac{1}{4}$ " Iron Pipe	$1\frac{1}{2}$ " Iron Pipe	Galvanized	3.00
239	$1\frac{1}{2}$ " Iron Pipe	$1\frac{1}{2}$ " Iron Pipe	Aluminum	2.70
239-G	$1\frac{1}{2}$ " Iron Pipe	$1\frac{1}{2}$ " Iron Pipe	Galvanized	3.00

Connections, Threaded Collars, etc., see Pages 36-38 and 97-98



Wolverine Centrifugal Traps

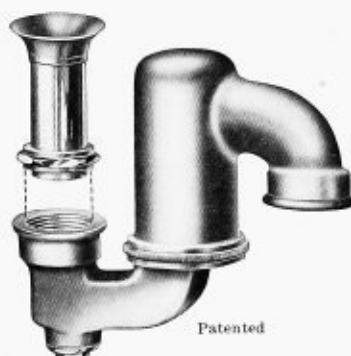
CAST IRON

ADJUSTABLE ANTI-SYPHON

FOR IRON PIPE—WITH CLEANOUT SCREW

For cleaning, this Trap can be taken apart very easily as connections between parts are Cast Brass.

Body can be swung around and adjusted to various positions.



This Trap can be installed by using regular 1½" pipe to floor.

We do not furnish Iron Pipe.

Is cheaper to install than Lead Traps. More durable, gives better satisfaction and is sanitary in every way.

TRAP ONLY—TO FLOOR

Number	Inlet Tapped for	Outlet Tapped for	Finish	Each
240	1¼" Iron Pipe	1½" Iron Pipe	Aluminum	\$2.40
240-G	1¼" Iron Pipe	1½" Iron Pipe	Galvanized	2.70
241	1½" Iron Pipe	1½" Iron Pipe	Aluminum	2.40
241-G	1½" Iron Pipe	1½" Iron Pipe	Galvanized	2.70

WITH SLIP JOINT NUT ONLY

Number	Inlet Tapped for	Outlet Tapped for	Finish	Each
242	1¼" Iron Pipe	1½" Iron Pipe	Aluminum	\$2.60
242-G	1¼" Iron Pipe	1½" Iron Pipe	Galvanized	2.90
243	1½" Iron Pipe	1½" Iron Pipe	Aluminum	2.60
243-G	1½" Iron Pipe	1½" Iron Pipe	Galvanized	2.90

WITH IRON SINK COLLAR ONLY

Number	Inlet Tapped for	Outlet Tapped for	Finish	Each
244	1¼" Iron Pipe	1½" Iron Pipe	Aluminum	\$2.60
244-G	1¼" Iron Pipe	1½" Iron Pipe	Galvanized	2.90
245	1½" Iron Pipe	1½" Iron Pipe	Aluminum	2.60
245-G	1½" Iron Pipe	1½" Iron Pipe	Galvanized	2.90

WITH BRASS SINK CONNECTION AND S. J. NUT

Number	Inlet Tapped for	Outlet Tapped for	Finish	Each
246	1¼" Iron Pipe	1½" Iron Pipe	Aluminum	\$2.80
246-G	1¼" Iron Pipe	1½" Iron Pipe	Galvanized	3.10
247	1½" Iron Pipe	1½" Iron Pipe	Aluminum	2.80
247-G	1½" Iron Pipe	1½" Iron Pipe	Galvanized	3.10

WITH CAST BRASS LAVATORY CONNECTION AND S. J. NUT

Number	Inlet Tapped for	Outlet Tapped for	Finish	Each
248	1¼" Iron Pipe	1½" Iron Pipe	Aluminum	\$2.90
248-G	1¼" Iron Pipe	1½" Iron Pipe	Galvanized	3.20
249	1½" Iron Pipe	1½" Iron Pipe	Aluminum	2.90
249-G	1½" Iron Pipe	1½" Iron Pipe	Galvanized	3.20

Connections, Threaded Collars, etc., see Pages 36-38 and 97-98

Wolverine Centrifugal Traps

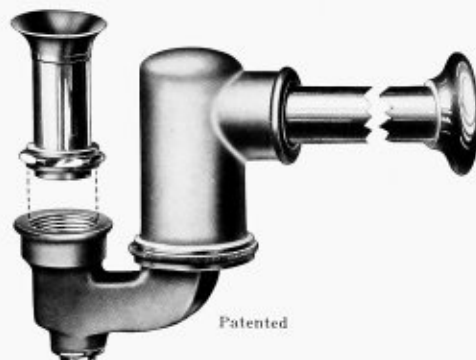
CAST IRON

ADJUSTABLE ANTI-SYPHON

"P" PLAIN—WITH CLEANOUT SCREW



Body can be swung around and adjusted to various positions.



Connections between parts are Cast Brass and can be taken apart for cleaning very easily.

TRAP ONLY—WITH TUBE TO WALL

Number	Inlet Tapped for	Outlet	Finish	Each
250	1 1/4" Iron Pipe	1 1/2" O. D.	Aluminum	\$2.70
250-G	1 1/4" Iron Pipe	1 1/2" O. D.	Galvanized	3.00
251	1 1/2" Iron Pipe	1 1/2" O. D.	Aluminum	2.70
251-G	1 1/2" Iron Pipe	1 1/2" O. D.	Galvanized	3.00

WITH SLIP JOINT NUT ONLY

Number	Inlet Tapped for	Outlet	Finish	Each
252	1 1/4" Iron Pipe	1 1/2" O. D.	Aluminum	\$2.90
252-G	1 1/4" Iron Pipe	1 1/2" O. D.	Galvanized	3.20
253	1 1/2" Iron Pipe	1 1/2" O. D.	Aluminum	2.90
253-G	1 1/2" Iron Pipe	1 1/2" O. D.	Galvanized	3.20

WITH IRON SINK COLLAR ONLY

Number	Inlet Tapped for	Outlet	Finish	Each
254	1 1/4" Iron Pipe	1 1/2" O. D.	Aluminum	\$2.90
254-G	1 1/4" Iron Pipe	1 1/2" O. D.	Galvanized	3.20
255	1 1/2" Iron Pipe	1 1/2" O. D.	Aluminum	2.90
255-G	1 1/2" Iron Pipe	1 1/2" O. D.	Galvanized	3.20

WITH BRASS SINK CONNECTION AND S. J. NUT

Number	Inlet Tapped for	Outlet	Finish	Each
256	1 1/4" Iron Pipe	1 1/2" O. D.	Aluminum	\$3.10
256-G	1 1/4" Iron Pipe	1 1/2" O. D.	Galvanized	3.40
257	1 1/2" Iron Pipe	1 1/2" O. D.	Aluminum	3.10
257-G	1 1/2" Iron Pipe	1 1/2" O. D.	Galvanized	3.40

WITH CAST BRASS LAVATORY CONNECTION AND S. J. NUT

Number	Inlet Tapped for	Outlet	Finish	Each
258	1 1/4" Iron Pipe	1 1/2" O. D.	Aluminum	\$3.20
258-G	1 1/4" Iron Pipe	1 1/2" O. D.	Galvanized	3.50
259	1 1/2" Iron Pipe	1 1/2" O. D.	Aluminum	3.20
259-G	1 1/2" Iron Pipe	1 1/2" O. D.	Galvanized	3.50

Connections, Threaded Collars, etc., see Pages 36-38 and 97-98



Wolverine Centrifugal Traps

CAST IRON

ADJUSTABLE ANTI-SYPHON

"S" PLAIN—WITH CLEANOUT SCREW

Body can be swung around and adjusted to various positions.



Patented

Connections between parts are Cast Brass and can be taken apart for cleaning very easily.

TRAP ONLY—WITH TUBE TO FLOOR

Number	Inlet Tapped for	Outlet	Finish	Each
260	1 1/4" Iron Pipe	1 1/2" O. D.	Aluminum	\$3.60
260-G	1 1/4" Iron Pipe	1 1/2" O. D.	Galvanized	3.70
261	1 1/2" Iron Pipe	1 1/2" O. D.	Aluminum	3.40
261-G	1 1/2" Iron Pipe	1 1/2" O. D.	Galvanized	3.70

WITH SLIP JOINT NUT ONLY

Number	Inlet Tapped for	Outlet	Finish	Each
262	1 1/4" Iron Pipe	1 1/2" O. D.	Aluminum	\$3.60
262-G	1 1/4" Iron Pipe	1 1/2" O. D.	Galvanized	3.90
263	1 1/2" Iron Pipe	1 1/2" O. D.	Aluminum	3.60
263-G	1 1/2" Iron Pipe	1 1/2" O. D.	Galvanized	3.90

WITH IRON SINK COLLAR ONLY

Number	Inlet Tapped for	Outlet	Finish	Each
264	1 1/4" Iron Pipe	1 1/2" O. D.	Aluminum	\$3.60
264-G	1 1/4" Iron Pipe	1 1/2" O. D.	Galvanized	3.90
265	1 1/2" Iron Pipe	1 1/2" O. D.	Aluminum	3.60
265-G	1 1/2" Iron Pipe	1 1/2" O. D.	Galvanized	3.90

WITH BRASS SINK CONNECTION AND S. J. NUT

Number	Inlet Tapped for	Outlet	Finish	Each
266	1 1/4" Iron Pipe	1 1/2" O. D.	Aluminum	\$3.80
266-G	1 1/4" Iron Pipe	1 1/2" O. D.	Galvanized	4.10
267	1 1/2" Iron Pipe	1 1/2" O. D.	Aluminum	3.80
267-G	1 1/2" Iron Pipe	1 1/2" O. D.	Galvanized	4.10

WITH CAST BRASS LAVATORY CONNECTION AND S. J. NUT

Number	Inlet Tapped for	Outlet	Finish	Each
268	1 1/4" Iron Pipe	1 1/2" O. D.	Aluminum	\$3.90
268-G	1 1/4" Iron Pipe	1 1/2" O. D.	Galvanized	4.20
269	1 1/2" Iron Pipe	1 1/2" O. D.	Aluminum	3.90
269-G	1 1/2" Iron Pipe	1 1/2" O. D.	Galvanized	4.20

Connections, Threaded Collars, etc., see Pages 36-38 and 97-98



Trap Specifications

AND

IMPORTANT INFORMATION

Trap Plugs, Plug Collars and Hexagon Nuts are all Cast Brass, insuring strength and full, perfect threads.

Patent Overflow Plug regularly furnished is long, cast pattern ($2\frac{3}{8}$ ").

Traps boxed separately, complete with washers, rubber plugs and heavy flanges.

Joints between the heavy high-grade tubing and collars are both threaded and soldered.

Highest grade, non-peeling nickel finish, true alignment and freedom from mechanical defects is **guaranteed**.

All "S" Traps from bottom of plumbing fixture to floor are adjustable $23\frac{1}{8}$ " to $25\frac{1}{8}$ " .

All "P" Traps with Tube Waste, except Bag Traps, are 12" from center of inlet to end of waste. Bag Traps are $7\frac{1}{2}$ " .

Vented "P" Traps are $3\frac{1}{2}$ " centers at wall.

Return Bends on $1\frac{1}{4}$ " and $1\frac{1}{2}$ " Adjustable Traps are $2\frac{1}{2}$ " and 3" centers, respectively.

Average roughing-in floor to center of vent is $19\frac{1}{2}$ " .

Adjustable Traps $2\frac{1}{2}$ " water seal.

Integral and Bag Traps $1\frac{1}{2}$ " water seal.

Name	Pages	Centers of Inlets and Outlets on "S" Traps		Water Seal
Deep Seal	18-21	$4\frac{1}{4}$ "		3"
Simplex	22-23	5"		3"
Whirlscur	24-25	$1\frac{1}{4}$ " Size	$5\frac{1}{2}$ "	6"
		$1\frac{1}{2}$ " Size	6"	
Centrifugal	26-30	$1\frac{1}{4}$ " Size	6"	$4\frac{1}{4}$ "
		$1\frac{1}{2}$ " Size		5"

Improved Patent Metallic Joint is recommended and is regularly furnished, but any Trap will be equipped with old style all Brass Ground Joint if so specified. See Discount Sheet.

NOTE

When ordering Traps less basin or sink connection for use with plugs or wastes not made by us, be sure to specify "Special" and give outside diameter, if wanted to fit the undersized connection of other manufacturers.



Trap Parts

HEAVY BRASS—NICKELED

SINK CONNECTIONS

FOR STANDARD SINKS, ETC.



Number	Size	Length	Per Dozen
295	1 1/4"	4 1/2"	\$4.80
296	1 1/2"	4 1/2"	6.00

Diameter of Collar, 1 1/8".

METALLIC TRAP RINGS

SOFT LEAD



Number	Size	Per Dozen
297	1 1/4"	\$1.20
298	1 1/2"	1.50

Specify number of Trap for which Ring is desired.

TRAP PLUGS

WITH STOPPER



PLUG SHELLS

CAST BRASS TOP



P. O. PLUG TOPS

CAST BRASS



Number	Size	Article	Length	Per Dozen
300	Regular	P. O. Plug Top	2 5/8"	\$3.60
301	Extra Long	P. O. Plug Top	3"	4.80
305	1 1/4"	Plug Shell	4 1/2"	3.60
306	1 1/4"	Plug Shell	6"	4.80
307	1 1/4"	Plug Shell	8"	6.00
308	1 1/4"	Plug Shell	10"	7.20
310	1 1/2"	Plug Shell	4 1/2"	4.80
311	1 1/2"	Plug Shell	6"	6.00
312	1 1/2"	Plug Shell	8"	7.20
313	1 1/2"	Plug Shell	10"	8.40
315	1 1/4"	Trap Plug		6.00
316	1 1/2"	Trap Plug		7.20

Trap Plugs are furnished regularly with 2 5/8" P. O. Top and 4 1/2" Plug Shell



Trap Parts

HEAVY BRASS

SINK CONNECTIONS

WITH HEAVY TOP



NICKELED

Number	Size	Length	Per Doz.
320	1 1/4"	4 1/2"	\$3.60
321	1 1/4"	6"	4.80
325	1 1/2"	4 1/2"	4.80
326	1 1/2"	6"	6.00

PLAIN BRASS

Number	Size	Length	Per Doz.
320-B	1 1/4"	4 1/2"	\$3.00
321-B	1 1/4"	6"	3.60
325-B	1 1/2"	4 1/2"	3.60
326-B	1 1/2"	6"	4.80

URINAL CONNECTIONS

NICKELED

CAST BRASS TOP

Number	Size	Length	Spud Opening	Per Dozen
330	1 1/4"	4 1/2"	1 1/8"	\$4.80
331	1 1/4"	4 1/2"	2"	6.00
333	1 1/2"	4 1/2"	1 1/8"	6.00
334	1 1/2"	4 1/2"	2"	7.20



TRAP CONNECTIONS

NICKELED

SLIP JOINT INLET

OFFSET

STRAIGHT



For connecting union tail piece of standing Basin or Bath Waste, etc., to Traps.



Number	Size	Length	Style	Per Dozen
336	1 1/4" x 1 1/4"	7"	Offset 2 1/2"	\$ 8.40
338	1 1/2" x 1 1/2"	7"	Offset 3"	10.80
340	1 1/4" x 1 1/4"	4 1/2"	Straight	7.20
342	1 1/2" x 1 1/2"	4 1/2"	Straight	8.40



Trap Parts

HEAVY BRASS—NICKELED

OFFSET CONNECTIONS

TRAP PLUGS

FOR LAVATORIES



Number	Size	Offset	Per Dozen
344 . . .	1 1/4" . . .	2 1/2" . . .	\$ 9.60
346 . . .	1 1/2" . . .	3" . . .	10.80

SINK CONNECTIONS

WITH HEAVY TOP

Urinal connections have same offset as Sink connections.



Number	Size	Offset	Per Dozen
348 . . .	1 1/4" . . .	2 1/2" . . .	\$8.40
349 . . .	1 1/2" . . .	3" . . .	9.60

TRAP PLUGS

FOR DEEP SEAL TRAPS



Number	Size	Offset	Per Dozen
350 . . .	1 1/4" . . .	2" . . .	\$10.80
351 . . .	1 1/2" . . .	2" . . .	12.00

TRAP PLUGS

FOR CENTRIFUGAL TRAPS



Number	Size	Offset	Per Dozen
352 . . .	1 1/4" . . .	2 3/4" . . .	\$10.80
353 . . .	1 1/2" . . .	2 3/4" . . .	12.00



Wash Tray Wastes

HEAVY BRASS

SINGLE WASTE

SIZE, 1½"

WITH RUNNING TRAP

WITH COLLAR FOR COUPLING NUT

Number	Finish	Each
354	Nickel Plated	\$4.20
354-R	Rough White Plated . . .	3.70



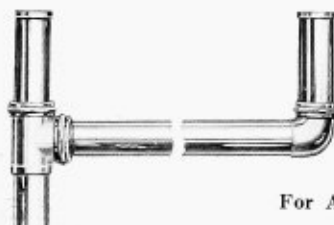
Single Wastes are regularly 25½" from center of inlet to center of Trap, and 16½" from center of Trap to end of outlet.

DOUBLE WASTE

WITHOUT TRAP

WITH COLLARS FOR COUPLING NUT

Number	Finish	Each
355	Nickel Plated	\$3.40
355-R	Rough White Plated . . .	2.80



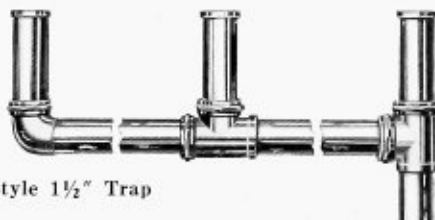
For Any Style 1½" Trap

TRIPLE WASTE

WITHOUT TRAP

WITH COLLARS FOR COUPLING NUT

Number	Finish	Each
356	Nickel Plated	\$5.40
356-R	Rough White Plated . . .	4.80



For Any Style 1½" Trap

Double and Triple Wastes are 27" from center to center of inlets, unless otherwise specified. For Special Lengths see Discount Sheet.

NOTE

Wash Tray Wastes are generally used with "S" Trap Number 48 or "P" Trap Number 51 without the offset inlet, see Discount Sheet.



Wash Tray Wastes

HEAVY BRASS

SINGLE WASTE

SIZE, 1½"

WITH RUNNING TRAP

FLANGED FOR CAST IRON COLLAR

Number	Finish	Each
354-S . .	Nickel Plated	\$4.20
354-RS .	Rough White Plated . .	3.70



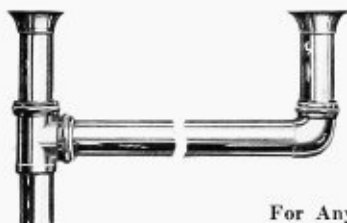
Single Wastes are regularly 25½" from center of inlet to center of Trap, and 16½" from center of Trap to end of outlet.

DOUBLE WASTE

WITHOUT TRAP

FLANGED FOR CAST IRON COLLAR

Number	Finish	Each
355-S . .	Nickel Plated	\$3.40
355-RS .	Rough White Plated . .	2.80



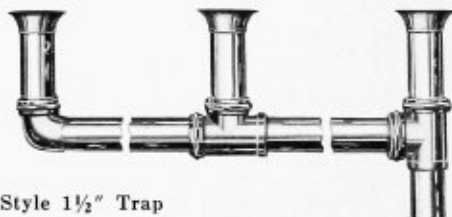
For Any Style 1½" Trap

TRIPLE WASTE

WITHOUT TRAP

FLANGED FOR CAST IRON COLLAR

Number	Finish	Each
356-S . .	Nickel Plated	\$5.40
356-RS .	Rough White Plated . .	4.80



For Any Style 1½" Trap

Double and Triple Wastes are 27" from center to center of inlets, unless otherwise specified. For Special Lengths see Discount Sheet.

NOTE

Wash Tray Wastes are generally used with "S" Trap Number 48 or "P" Trap Number 51 without the offset inlet, see Discount Sheet.

Wash Tray Wastes

HEAVY BRASS

SINGLE WASTE

SIZE, 1½"



WITH RUNNING TRAP

WITH WASH TRAY PLUG

Number	Finish	Each
357	Nickel Plated	\$3.10 \$4.70
357-R	Rough White Plated	2.60 4.20

Single Wastes are regularly 25½" from center of inlet to center of Trap, and 16½" from center of Trap to end of outlet.

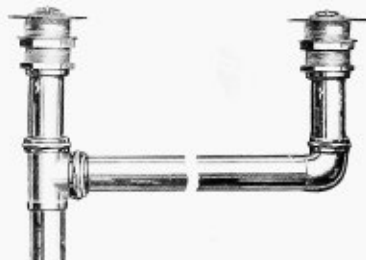
DOUBLE WASTE

WITHOUT TRAP

WITH WASH TRAY PLUGS

Number	Finish	Each
358	Nickel Plated	\$5.60
358-R	Rough White Plated	5.00

For Any Style 1½" Trap



TRIPLE WASTE

WITHOUT TRAP

WITH WASH TRAY PLUGS

Number	Finish	Each
360	Nickel Plated	\$7.60
360-R	Rough White Plated	7.00

For Any Style 1½" Trap



Polished Brass Plugs furnished with Rough White Plated Fixtures.

Double and Triple Wastes are 27" from center to center of inlets, unless otherwise specified. For Special Lengths see Discount Sheet.

NOTE

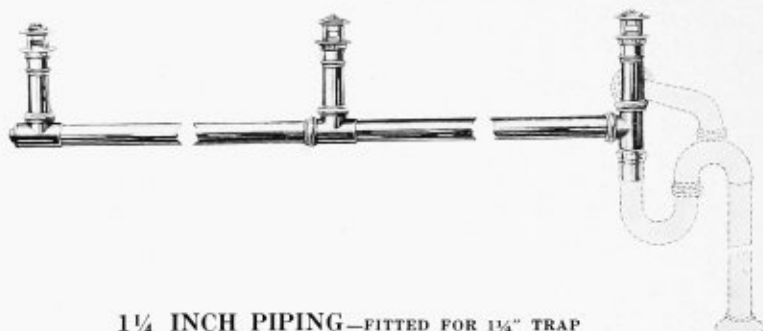
Wash Tray Wastes are generally used with "S" Trap Number 48 or "P" Trap Number 51 without the offset inlet, see Discount Sheet.



Wolverine Continuous Wastes

HEAVY BRASS—NICKELED

PATENT METALLIC JOINTS



1 1/4 INCH PIPING—FITTED FOR 1 1/4" TRAP

Number	Style	Each
361	2 Basin without Trap	\$4.90
362	3 Basin without Trap	7.40

1 1/4 INCH PIPING—FITTED FOR 1 1/2" TRAP

Number	Style	Each
363	2 Basin without Trap	\$5.20
364	3 Basin without Trap	7.70

1 1/2 INCH PIPING—FITTED FOR 1 1/2" TRAP

Number	Style	Each
365	2 Basin without Trap	\$ 5.90
366	3 Basin without Trap	8.80
367	4 Basin without Trap	12.00
368	5 Basin without Trap	15.00



NOTE

Price Extended does not include Trap.

All styles of Traps listed on Pages 6 to 30 inclusive.

Specify Style and Size of Trap, and whether for center or end of waste.

Waste will be furnished for Trap on end unless otherwise specified. Wastes are regularly 26" center to center. For Special Lengths see Discount Sheet.

Our Patent Metallic Joint insures stability and perfect alignment of fixtures.

Wolverine Straight Wastes

HEAVY BRASS—NICKELED



Number	Size	Style	Each
369	1 1/4"	For Lavatory	\$1.60
370	1 1/2"	For Lavatory	1.80
369-S	1 1/4"	For Sink	1.60
370-S	1 1/2"	For Sink	1.80

Wolverine Lavatory Bracket

NICKELED



Cast Brass Ends
threaded on Brass
Tube.

PLAIN

Number	Diameter	Size	Per Pair
371	7/8"	16" x 18"	\$2.50





Baby Bath Traps

RED CAST BRASS

NICKEL PLATED TRAP SCREW



FOR LEAD PIPE

Number	Inlet for	Outlet for	Each
372	1 1/4" L. P.	1 1/4" L. P.	\$2.00

Smooth, Clean, Tested Castings

Baby Traps are so constructed that the cleanout screw is on the house side of the seal, preventing gases escaping into the bath-room even with the trap screw removed. Swing-around inlet allows for easy installation.

Length over all under Trap Screw, 6". Diameter of body, 2".

FOR LEAD PIPE

WITH N. P. INLET TUBE

Number	Inlet for	Outlet for	Each
373	1 3/8" O. D.	1 1/4" L. P.	\$3.00

Smooth, Clean, Tested Castings



Inlet Tube slips into Tee of Waste and Overflow.
Bath Waste and Overflows listed on Pages 52-53.



Improved Drum Traps

RED CAST BRASS

NICKEL PLATED TRAP SCREW



FOR LEAD PIPE

Number	Inlet for	Outlet for	Each
374	1 1/4" L. P.	1 1/4" L. P.	\$3.00
375	1 1/2" L. P.	1 1/2" L. P.	3.50

Smooth, Clean, Tested Castings

A durable and sanitary fixture with large body and swivel bottom ell. Construction provides for cleanout screw on the house side of the seal, preventing gases escaping into the bath-room even with the trap screw removed. Swing-around inlet allows for easy installation.

Length over all under Trap Screw, 6 5/8". Diameter of body, 3".

FOR IRON PIPE

Number	Inlet for	Outlet for	Each
376	1 1/4" I. P.	1 1/4" I. P.	\$3.50
377	1 1/2" I. P.	1 1/2" I. P.	4.00

Smooth, Clean, Tested Castings



Bath Waste and Overflows listed on Pages 52-53



Improved Drum Traps

RED CAST BRASS

NICKEL PLATED TRAP SCREW



FOR LEAD PIPE

WITH N. P. INLET TUBE

Number	Inlet for	Outlet for	Each
378	1 3/8" O. D.	1 1/4" L. P.	\$4.00
379	1 3/8" O. D.	1 1/2" L. P.	4.50

Smooth, Clean, Tested Castings

A durable and sanitary fixture with large body, swivel bottom ell and N. P. inlet tube. Is so constructed that the cleanout screw is on the house side removed. Swing-around inlet allows for easy installation.

Length over all under Trap Screw, 6 1/2". Diameter of body, 3".

FOR IRON PIPE

WITH N. P. INLET TUBE

Number	Inlet for	Outlet for	Each
380	1 3/8" O. D.	1 1/4" I. P.	\$4.50
381	1 3/8" O. D.	1 1/2" I. P.	5.00

Smooth, Clean, Tested Castings



Inlet Tube slips into Tee of Waste and Overflow.
Bath Waste and Overflows listed on Pages 52-53.

Wolverine Deep Seal Bath Traps

CAST BRASS—NICKELED

EXTRA HEAVY PATTERN

Patented



NON-SYPHONING

BALL TOP WASTE AND OVERFLOW

WITH CAST STRAINER

Size, 1 3/8"

TO FLOOR

Number	Each
382 As illustrated	\$7.00

TO WALL

Number	Each
383 Not illustrated	\$6.80

Trap Body, Diameter 3 1/4", Height 5 3/4"

STANDARD PATTERN

NON-SYPHONING

REGULAR TOP WASTE AND OVERFLOW

Size, 1 3/8"

TO FLOOR

Number	Each
385 As illustrated	\$5.50

TO WALL

Number	Each
386 Not illustrated	\$5.30

Trap Body, Diameter 2 1/8", Height 5 1/2"



Chain is held by Patented "Sure-Hold" Post and attached to Stopper by Wolverine Double Lock Link.

Beveled Washers furnished to take up slant of any tub.

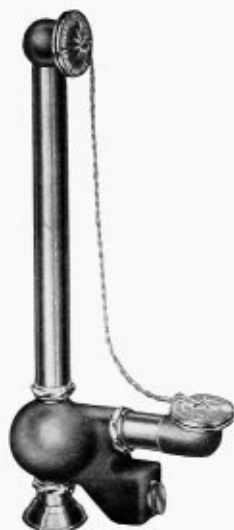


Wolverine Bath Traps

CAST BRASS—NICKELED

EXTRA HEAVY PATTERN

Patented



Number Each
390 Without Vent . . \$6.00

WASTE AND OVERFLOW

WITH CAST STRAINER

Size, 1 3/8".

NOTE

Chain is held by patented "Sure-Hold" Post, and attached to Stopper by Wolverine Double Lock Link.

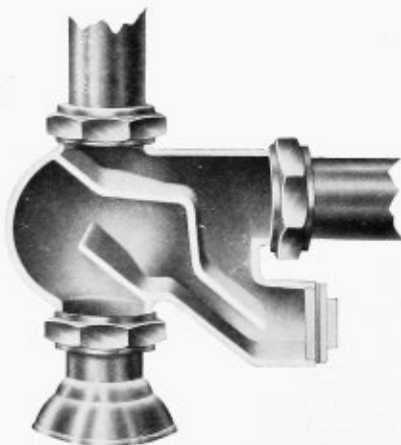
Beveled washers furnished to take up slant of any Tub.



Number Each
391 With Vent . . . \$7.00

SECTIONAL VIEW OF BODY

Deep Seal, free openings, large capacity and water-way. Perfectly smooth interior walls. An elegant and sanitary fixture with low cost for installation.



No special roughing-in, as waste and overflow are on a direct line.

Cleanout screw accessible for easy cleaning.

Wolverine Adjusto Bath Traps

CAST BRASS—NICKELED

STANDARD PATTERN REGULAR TOP

Patented



WITH VENT

WASTE TO FLOOR

Size, 1½"

Number	Each
392	\$5.50

NOTE

The Vent Tube is extra long, allowing for adjustment over high base boards.

WITHOUT VENT

WASTE TO FLOOR

Size, 1½"

Number	Each
393	\$5.00

Accessible Cleanout Screw

No trouble in fitting Adjusto to any tub



Chain is held by Patented "Sure-Hold" Post and attached to Stopper by Wolverine Double Lock Link.

Beveled Washers furnished to take up slant of any tub.



Wolverine Adjusto Bath Traps

CAST BRASS—NICKELED

STANDARD PATTERN REGULAR TOP

Patented



WITHOUT VENT

WASTE TO WALL

Size, 1½"

Number	Each
394	\$4.80

Accessible Cleanout Screw

HEAVY PATTERN BALL TOP

CAST OVERFLOW STRAINER

WITH VENT

WASTE TO FLOOR

Size, 1½"

Number	Each
395	\$5.90

NOTE

The Vent Tube is extra long, allowing for adjustment over high base board.



Chain is held by Patented "Sure-Hold" Post and attached to Stopper by Wolverine Double Lock Link.

Beveled Washers furnished to take up slant of any tub.

Wolverine Adjusto Bath Traps

CAST BRASS—NICKELED

HEAVY PATTERN BALL TOP

Patented



WITHOUT VENT

WASTE TO FLOOR

Size, 1½"

Number	Each
396	\$5.40

Cast Overflow Strainer
Accessible Cleanout Screw

HEAVY PATTERN BALL TOP

WITHOUT VENT

WASTE TO WALL

Size, 1½"

Number	Each
397	\$5.20

Cast Overflow Strainer
Accessible Cleanout Screw



Chain is held by Patented "Sure-Hold" Post and attached to Stopper by Wolverine Double Lock Link.

Beveled Washers furnished to take up slant of any tub.



Wolverine Waste and Overflows

CAST BRASS—NICKELED

STANDARD PATTERN

Patented



REGULAR TOP

SIZE, 1 3/4"

Number	Finish	Each
398	Nickel Plated	\$2.50
398-R	White Plated	2.30

SIZE, 1 1/2"

Number	Finish	Each
399	Nickel Plated	\$3.00
399-R	White Plated	2.80

Cast Hexagon Nuts
Superior Finish

WITH LONG SLIP JOINT ADJUSTMENT

REGULAR TOP

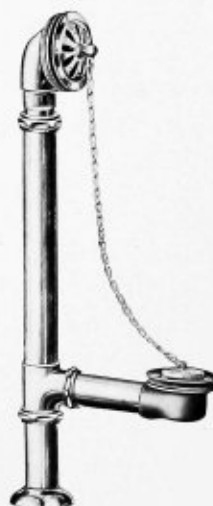
SIZE, 1 3/4"

Number	Finish	Each
398-S	Nickel Plated	\$2.70
398-RS	White Plated	2.50

NOTE

Chain is held by Patented "Sure-Hold" Post and attached to Stopper by Wolverine Double Lock Link.

Beveled Washers furnished to take up slant of any tub.



Wolverine Waste and Overflows

CAST BRASS PARTS

HEAVY PATTERN BALL TOP

Patented



REGULAR



UNIVERSAL



SIZE 13 1/2"

Cast Overflow Strainer provided with 33 spaces for customer's advertisement.

Sanitary Tees
Hexagon Nuts

Number	Style	Finish	Each
400	Regular	Nickel Plated	\$2.90
400-R	Regular	White Plated	2.70
403	Universal, 3" offset	Nickel Plated	4.50

NOTE

Number 403 Fixture especially desirable for replacing the old style copper tub with modern enameled tub; also for substituting a wide tub for a narrow tub, or vice versa, without changing the roughing-in.

By removing cleanout screw, the offset waste can be screwed in bottom of overflow tee and opening made by removal of offset waste, can be closed with cleanout screw.

Elevating Block

IRON—WHITE ENAMELED

For elevating Enam-
eled Tubs on Short
Legs.



Prevents Bath Tubs
marring floors.

Number	Diameter	Height	Per Dozen
404-A	2 3/4"	1"	\$3.60
404-B	2 3/4"	1 1/2"	3.00



Wolverine Standing Wastes

HEAVY BRASS—NICKELED

WITH CHINA INDEX HANDLE

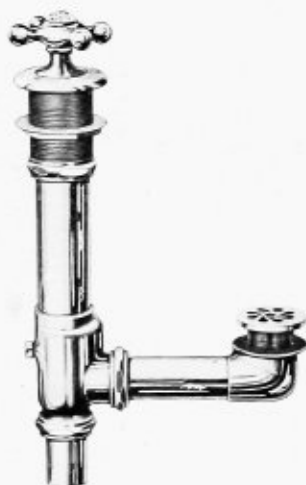
Patented

FOR LAVATORIES

A Most Durable, Highly Finished,
Sanitary Fixture

Diameter of hole in Lavatory must not
be less than 2" to receive Stand Pipe.

Outlet Waste Connection is 1 1/4" diam-
eter.



SECTIONAL VIEW

Showing interior working parts.
Cannot get out of order.

Number	Waste	For	Each
405	Rubber Seat	Enameled Lavatories	\$5.50
405-G	Ground Brass Seat	Enameled Lavatories	6.00

NOTE

Furnished regularly for Iron Enameled Lavatories. Will furnish with longer plug for either Vitreous or Solid Porcelain Lavatories if specified. See Discount Sheet.

A smooth, heavy, sanitary fixture with top that turns to open and close instead of lifting. No dirty exposed parts show as on lift wastes.

Quick adjusting Slip Joint on Stand Pipe.

Overflow Tube adjusts automatically and cannot be displaced.

To replace packing, simply loosen screws in top cap, set screw on back of tee; and working parts will raise out.

Rubber Waste Washer is our Number 4275-A.



Wolverine Standing Wastes

HEAVY BRASS—NICKELED

WITH CHINA INDEX HANDLE

Patented

FOR BATH TUBS

An Extra Heavy Fixture especially designed to meet the demands of the most exacting trade.

Heavy Adjustable Support with Overflow Cover and Large Nut Back Plate.

General construction is the same as shown in sectional cut on Page 54.

Positive in action and absolutely satisfactory in every way.



Number	Waste	For	Each
407	Rubber Seat	Enameled Tubs	\$ 9.50
407-G	Ground Brass Seat	Enameled Tubs	10.00

Outlet Waste Connection is $1\frac{1}{2}$ " diameter.
Rubber Waste Washer is our Number 4275-E.





Wolverine Lavatory Valves

CAST BRASS—NICKELED

WITH BALL HANDLE

THREADED FOR IRON PIPE

ANGLE



Number	Size	Per Dozen
410	$\frac{3}{8}$ " I. P.	\$21.60
411	$\frac{1}{2}$ " I. P.	25.20

STRAIGHT



Number	Size	Per Dozen
413	$\frac{3}{8}$ " I. P.	\$21.60
414	$\frac{1}{2}$ " I. P.	25.20

WITH SLIP JOINT

ANGLE



No.	To Screw on	To Slip on	Per Dozen
417 .	$\frac{3}{8}$ " I. P. .	$\frac{7}{8}$ " O. D. Tube .	\$24.00
418 .	$\frac{3}{8}$ " I. P. .	$\frac{1}{2}$ " O. D. Tube .	24.00
421 .	$\frac{1}{2}$ " I. P. .	$\frac{7}{8}$ " O. D. Tube .	28.20
422 .	$\frac{1}{2}$ " I. P. .	$\frac{1}{2}$ " O. D. Tube .	28.20
424 .	$\frac{1}{2}$ " I. P. .	$\frac{3}{8}$ " I. P.	28.20

STRAIGHT



No.	To Screw on	To Slip on	Per Dozen
430 .	$\frac{1}{2}$ " I. P. .	$\frac{7}{8}$ " O. D. Tube .	\$28.20
431 .	$\frac{1}{2}$ " I. P. .	$\frac{1}{2}$ " O. D. Tube .	28.20
432 .	$\frac{1}{2}$ " I. P. .	$\frac{7}{8}$ " O. D. Tube .	28.20
434 .	$\frac{1}{2}$ " I. P. .	$\frac{3}{8}$ " I. P.	28.20

Wolverine One-Piece Basin Supplies



BRASS—NICKELED

FLEXIBLE CONNECTION

Patented

1-2 INCH

OUTSIDE DIAMETER

Special Annealed Brass with Slip Joint Nut for $\frac{1}{2}$ " Iron Pipe Connection at Wall or Floor.

Not guaranteed for High Pressure.



TO FLOOR

Cross Section
of Tubing



Full Size

Furnished with
Heavy Deep Flanges



TO WALL

Number	Size	Style	Per Pair
440	$\frac{1}{2}$ " O. D.	To Floor	\$1.70
442	$\frac{1}{2}$ " O. D.	To Wall	1.50

NOTE

Measurements of Basin Supplies

TO FLOOR

28 $\frac{1}{4}$ " over all

TO WALL

12" from end of Basin connection to center of Bend, and 7" from center of Bend to end of Wall connection.

No Tail Pieces necessary on Basin Cocks when Wolverine One-Piece Basin Supplies are used.

Soft Metallic Cone Packings instead of Rubber furnished if specified, see Page 66.



Wolverine One-Piece Basin Supplies

BRASS—NICKELED

FLEXIBLE CONNECTION

Patented

1-8 INCH

IRON PIPE SIZE

Special Annealed Brass with Slip Joint Nut for $\frac{1}{2}$ " Iron Pipe Connection at Floor or Wall.

Guaranteed for High Pressure.

Cross Section of Tubing



Full Size

TO FLOOR

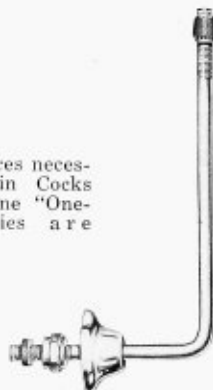
No.	Size	Style	Per Pair
443	$\frac{1}{8}$ " I. P.	Without Air Chamber	\$1.90
444	$\frac{1}{8}$ " I. P.	With Air Chamber	2.90

Furnished with Heavy, Deep Flanges



No Tail Pieces necessary on Basin Cocks when Wolverine "One-Piece" Supplies are used.

Soft Metallic Cone Packings instead of Rubber furnished if specified, see Page 66.



TO WALL

Number	Size	Style	Per Pair
445	$\frac{1}{8}$ " I. P.	Without Air Chamber	\$1.60

Floor Supplies 28 $\frac{1}{4}$ " over all.

Wall Supplies 12" from end of Basin connection to center of Bend, and 7" from center of Bend to end of Wall connection.

Wolverine One-Piece Basin Supplies



BRASS—NICKELED

FLEXIBLE CONNECTION

Patented

**9-16 INCH
OUTSIDE DIAMETER**

Special Annealed Brass with Slip Joint
Nut for $\frac{1}{2}$ " Iron Pipe Connection at Floor
or Wall.

Cross Section of Tubing



Full Size

TO FLOOR

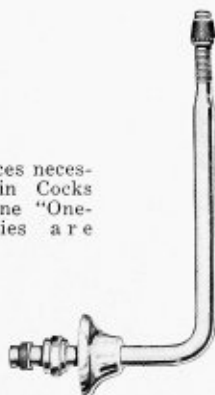
No.	Size	Style	Per Pair
446	$\frac{3}{8}$ " O. D.	Without Air Chamber	\$2.00
447	$\frac{3}{8}$ " O. D.	With Air Chamber. .	3.60

Furnished with Heavy, Deep Flanges



No Tail Pieces neces-
sary on Basin Cocks
when Wolverine "One-
Piece" Supplies are
used.

Soft Metallic Cone
Packing instead of
Rubber furnished if
specified, see Page 66.



TO WALL

WITHOUT AIR CHAMBER

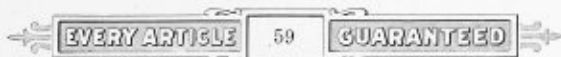
WITH AIR CHAMBER

Number	Size	Per Pair
448	$\frac{3}{8}$ " O. D.	\$1.90

Number	Size	Per Pair
448-A	$\frac{3}{8}$ " O. D.	\$3.60

Floor Supplies 28 $\frac{1}{4}$ " over all.

Wall Supplies 12" from end of Basin connection to center of Bend, and 7" from center of Inlet to end of Wall connection.





Wolverine One-Piece Basin Supplies

BRASS—NICKELED

FLEXIBLE CONNECTION

Patented

Full Size Cross Section of Tubing



Wolverine Standard
Iron Pipe Size



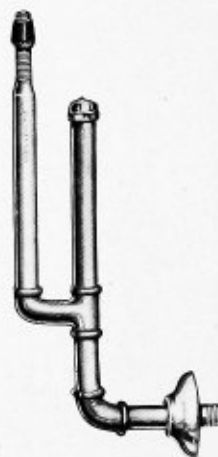
Extra Heavy
Iron Pipe Size

TO WALL



Special Annealed
Brass Tube Threaded
for $\frac{3}{8}$ " Iron Pipe Wall
Connection.

Heavy Flanges
Furnished



WITHOUT AIR CHAMBER

No.	Size	Per Pair
450	$\frac{3}{8}$ " Wolv. Stand. I. P. Size	\$2.20
451	$\frac{3}{8}$ " Extra Heavy I. P. Size	2.50

WITH AIR CHAMBER

No.	Size	Per Pair
452	$\frac{3}{8}$ " Wolv. Stand. I. P. Size	\$3.70
453	$\frac{3}{8}$ " Extra Heavy I. P. Size	4.00

Supplies 14" from end of Basin connections to center of Bend, and 6" from center of Inlet to end of Wall connection.

Cone Packings listed on Pages 66 and 94

For Supplies with different Connections than shown above, see Page 67

Wolverine One-Piece Basin Supplies

BRASS—NICKELED

FLEXIBLE CONNECTION

Patented



Full Size Cross Section of Tubing

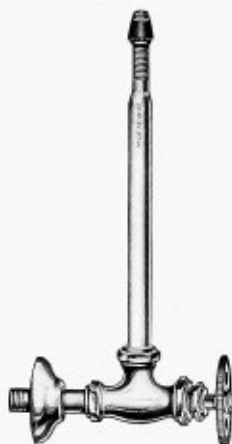


Wolverine Standard
Iron Pipe Size



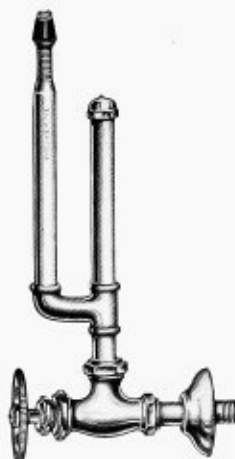
Extra Heavy
Iron Pipe Size

TO WALL—WITH VALVE



Special Annealed
Brass Tube Threaded
for $\frac{3}{8}$ " Iron Pipe Wall
Connection.

Heavy Flanges
Furnished



WITHOUT AIR CHAMBER

WITH AIR CHAMBER

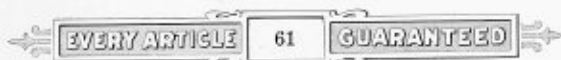
No.	Size	Per Pair
454	$\frac{3}{8}$ " Wolv Stand. I. P. Size	\$4.20
455	$\frac{3}{8}$ " Extra Heavy I. P. Size	4.50

No.	Size	Per Pair
456	$\frac{3}{8}$ " Wolv. Stand. I. P. Size	\$5.90
457	$\frac{3}{8}$ " Extra Heavy I. P. Size	6.30

Supplies 14" from end of Basin connections to center of Bend, and 6" from center of Inlet to end of Wall connection.

Cone Packings listed on Pages 66 and 94

For Supplies with different Connections than shown above, see Page 67





Wolverine One-Piece Basin Supplies

BRASS—NICKELED

FLEXIBLE CONNECTION

Patented

TO FLOOR

Full Size Cross Section of Tubing



Wolverine Standard
Iron Pipe Size



Extra Heavy
Iron Pipe Size

Special Annealed
Brass Tube Threaded
for $\frac{3}{8}$ " Iron Pipe Con-
nection at Floor.

Heavy Flanges
Furnished



WITHOUT AIR CHAMBER

REGULAR LENGTH, 28 $\frac{1}{4}$ "

No.	Size	Per Pair
458	$\frac{3}{8}$ " Wolv. Stand. I. P. Size	\$2.20
459	$\frac{3}{8}$ " Extra Heavy I. P. Size	2.50

EXTRA LENGTH, 30"

No.	Size	Per Pair
458-X	$\frac{3}{8}$ " Wolv. Stand. I. P. Size	\$2.30
459-X	$\frac{3}{8}$ " Extra Heavy I. P. Size	2.60

WITH AIR CHAMBER

REGULAR LENGTH, 28 $\frac{1}{4}$ "

No.	Size	Per Pair
460	$\frac{3}{8}$ " Wolv. Stand. I. P. Size	\$3.80
461	$\frac{3}{8}$ " Extra Heavy I. P. Size	4.20

EXTRA LENGTH, 30"

No.	Size	Per Pair
460-X	$\frac{3}{8}$ " Wolv. Stand. I. P. Size	\$3.90
461-X	$\frac{3}{8}$ " Extra Heavy I. P. Size	4.30

Supplies with Reversed Air Chamber are listed on Page 64

Cone Packings listed on Pages 66 and 94

For Supplies with different Connections than shown above, see Page 67

Wolverine One-Piece Basin Supplies



BRASS—NICKELED

FLEXIBLE CONNECTION

Patented

TO FLOOR—WITH VALVE

Full Size Cross Section of Tubing



Wolverine Standard
Iron Pipe Size



Extra Heavy
Iron Pipe Size

Special Annealed
Brass Tube Threaded
for $\frac{3}{8}$ " Iron Pipe Con-
nection at Floor.

Heavy Flanges
Furnished



WITHOUT AIR CHAMBER

REGULAR LENGTH, 28 $\frac{3}{4}$ "

No.	Size	Per Pair
462	$\frac{3}{8}$ " Wolv. Stand. I. P. Size	\$4.30
463	$\frac{3}{8}$ " Extra Heavy I. P. Size	4.60

EXTRA LENGTH, 30"

No.	Size	Per Pair
462-X	$\frac{3}{8}$ " Wolv. Stand. I. P. Size	\$4.40
463-X	$\frac{3}{8}$ " Extra Heavy I. P. Size	4.70

WITH AIR CHAMBER

REGULAR LENGTH, 28 $\frac{3}{4}$ "

No.	Size	Per Pair
464	$\frac{3}{8}$ " Wolv. Stand. I. P. Size	\$6.30
465	$\frac{3}{8}$ " Extra Heavy I. P. Size	6.60

EXTRA LENGTH, 30"

No.	Size	Per Pair
464-X	$\frac{3}{8}$ " Wolv. Stand. I. P. Size	\$6.40
465-X	$\frac{3}{8}$ " Extra Heavy I. P. Size	6.70

Cone Packings listed on Pages 66 and 94

For Supplies with different Connections than shown above, see Page 67



Wolverine One-Piece Basin Supplies

BRASS—NICKELED

FLEXIBLE CONNECTION

Patented

TO FLOOR—WITH AIR CHAMBER

Full Size Cross Section of Tubing



WITHOUT VALVE



Wolverine Standard
Iron Pipe Size



Extra Heavy
Iron Pipe Size

Special Annealed
Brass Tube Threaded
for $\frac{3}{8}$ " Iron Pipe Con-
nection at Floor.

Heavy Flanges
Furnished



WITH VALVE

REGULAR LENGTH, 28 $\frac{1}{4}$ "

No.	Size	Per Pair
466	$\frac{3}{8}$ " Wolv. Stand. I. P. Size	\$3.80
467	$\frac{3}{8}$ " Extra Heavy I. P. Size	4.20

EXTRA LENGTH, 30"

No.	Size	Per Pair
466-X	$\frac{3}{8}$ " Wolv. Stand. I. P. Size	\$3.90
467-X	$\frac{3}{8}$ " Extra Heavy I. P. Size	4.30

REGULAR LENGTH, 28 $\frac{1}{4}$ "

No.	Size	Per Pair
468	$\frac{3}{8}$ " Wolv. Stand. I. P. Size	\$6.30
469	$\frac{3}{8}$ " Extra Heavy I. P. Size	6.60

EXTRA LENGTH, 30"

No.	Size	Per Pair
468-X	$\frac{3}{8}$ " Wolv. Stand. I. P. Size	\$6.40
469-X	$\frac{3}{8}$ " Extra Heavy I. P. Size	6.70

Supplies with Reversed Air Chamber, as listed above, are 2 $\frac{1}{4}$ " center of Supply to center of Basin connection.

For Supplies with different Connections than shown above, see Page 67

Wolverine One-Piece Basin Supplies



BRASS—NICKELED

FLEXIBLE CONNECTION

Patented

TO FLOOR—WITH "BULB" AIR CHAMBER



Air Chamber has Slip Joint
Top for Adjustment

Full Size Cross Section of Tubing



Wolverine Standard
Iron Pipe Size



Extra Heavy
Iron Pipe Size

Special Annealed Brass Tube
Threaded for $\frac{3}{8}$ " Iron Pipe Connection at Floor.

Heavy Flanges Furnished



WITHOUT VALVE

REGULAR LENGTH, 28 $\frac{1}{4}$ "

No.	Size	Per Pair
480	$\frac{3}{8}$ " Wolv. Stand. I. P. Size	\$5.20
481	$\frac{3}{8}$ " Extra Heavy I. P. Size	5.50

EXTRA LENGTH, 30"

No.	Size	Per Pair
480-X	$\frac{3}{8}$ " Wolv. Stand. I. P. Size	\$5.30
481-X	$\frac{3}{8}$ " Extra Heavy I. P. Size	5.60

WITH VALVE

REGULAR LENGTH, 28 $\frac{1}{4}$ "

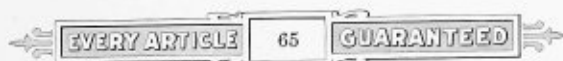
No.	Size	Per Pair
482	$\frac{3}{8}$ " Wolv. Stand. I. P. Size	\$7.30
483	$\frac{3}{8}$ " Extra Heavy I. P. Size	7.60

EXTRA LENGTH, 30"

No.	Size	Per Pair
482-X	$\frac{3}{8}$ " Wolv. Stand. I. P. Size	\$7.40
483-X	$\frac{3}{8}$ " Extra Heavy I. P. Size	7.70

Cone Packings listed on Pages 66 and 94

For Supplies with different Connections than shown above, see Page 67





Wolverine One-Piece Basin Supplies

BRASS—NICKELED

PATENTED—FLEXIBLE CONNECTION

TO WALL—WITH "BULB" AIR CHAMBERS



WITHOUT VALVE

No.	Size	Per Pair
484	$\frac{3}{8}$ " Wolv. Stand. I. P. Size	\$5.20
485	$\frac{3}{8}$ " Extra Heavy I. P. Size	5.50

Special Annealed
Brass Tube Threaded
for $\frac{3}{8}$ " Iron Pipe Con-
nection at Wall.

Heavy Flanges Fur-
nished

Air Chamber has Slip
Joint Top for Adjust-
ment.



WITH VALVE

No.	Size	Per Pair
486	$\frac{3}{8}$ " Wolv. Stand. I. P. Size	\$7.30
487	$\frac{3}{8}$ " Extra Heavy I. P. Size	7.60

Bulb Air Chambers

CAST BRASS—NICKELED



Number	Style	Per Pair
488	For $\frac{3}{8}$ " Supplies	\$3.00
489	For $\frac{1}{2}$ " Supplies	3.20

Soft Metallic Cone Packing

Any Wolverine Basin Supply will be furnished with Soft Metallic Cone Packing instead of Rubber, if specified, by placing the letter "L" after figure number of supply wanted.

Rubber Cone Packings listed on Page 94



Wolverine Basin Supplies

BRASS—NICKELED



Styles, other than listed on Pages 60 to 66 inclusive.

We Recommend our regular One-Piece Supplies, illustrated on Pages 60 to 66, inclusive, as the most universally satisfactory Supply that can be furnished. To meet the requirements of any customer desiring a different Supply, we will furnish Styles "B," "C," "S" or "R" if letter is specified after figure number. For example: 458-R would be furnished with Reducing Coupling instead of One-Piece Supply, as illustrated on Page 62.

STYLE "B"
PLAIN ONE PIECE



STYLE "C"
FLEXIBLE CONNECTION



STYLE "S"
SLIP JOINT CONNECTION



STYLE "R"
REDUCING COUPLING



- STYLE "B"** Supplies One-Piece Plain Flexible Connection with Rubber Cone Packing and Brass Friction Ring. Adjustment, 2".
- STYLE "C"** Supplies with separate Cast Brass Wolverine Flexible Threaded Joint Connection.
- STYLE "S"** Supplies with separate Slip Joint Connection to receive Basin Cock Tail Piece.
- STYLE "R"** Supplies are 26 $\frac{3}{4}$ " long, with $\frac{3}{8}$ x $\frac{1}{4}$ " Reducing Coupling to receive Tail Piece of Basin Cock which adds about 1 $\frac{1}{2}$ ".

When Ordering

Select the number of Supplies wanted on Pages 60 to 66 and add the letter of style required as per above. For Prices, see Discount Sheet.





Wolverine Integral Basin Supplies

BRASS—NICKELED

TO FLOOR

TAPPED FOR $\frac{1}{4}$ " I. P. TAIL PIECE

Full Size Cross Section of Tubing



Wolverine Standard
Iron Pipe Size



Extra Heavy
Iron Pipe Size

Special Annealed Brass Tube
Threaded for $\frac{3}{8}$ " Iron Pipe Connection at Floor.

Heavy Flanges Furnished



WITHOUT AIR CHAMBER

REGULAR LENGTH, 26 $\frac{3}{4}$ "

No.	Size	Per Pair
490	$\frac{3}{8}$ " Wolv. Stand. I. P. Size	\$2.10
491	$\frac{3}{8}$ " Extra Heavy I. P. Size	2.40

EXTRA LENGTH, 28 $\frac{1}{2}$ "

No.	Size	Per Pair
490-X	$\frac{3}{8}$ " Wolv. Stand. I. P. Size	\$2.20
491-X	$\frac{3}{8}$ " Extra Heavy I. P. Size	2.50

WITH AIR CHAMBER

REGULAR LENGTH, 26 $\frac{3}{4}$ "

No.	Size	Per Pair
492	$\frac{3}{8}$ " Wolv. Stand. I. P. Size	\$3.70
493	$\frac{3}{8}$ " Extra Heavy I. P. Size	4.00

EXTRA LENGTH, 28 $\frac{1}{2}$ "

No.	Size	Per Pair
492-X	$\frac{3}{8}$ " Wolv. Stand. I. P. Size	\$3.80
493-X	$\frac{3}{8}$ " Extra Heavy I. P. Size	4.10

NOTE

Integral Supplies are always used with Threaded Tail Piece, which adds about $1\frac{1}{2}$ " to the length.

Wolverine Integral Basin Supplies



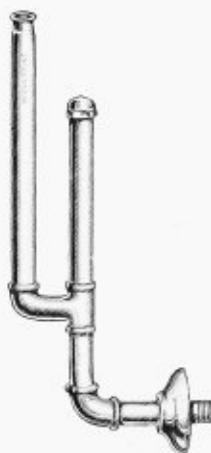
BRASS—NICKELED

TO WALL

TAPPED FOR $\frac{1}{4}$ " I. P. TAIL PIECE

Special Annealed
Brass Tube Threaded
for $\frac{3}{8}$ " Iron Pipe Con-
nection at Wall.

Heavy Flanges
Furnished



Full Size Cross Section of Tubing



Wolverine Standard
Iron Pipe Size



Extra Heavy
Iron Pipe Size

Number	Size	Style	Per Pair
494 . . . $\frac{3}{8}$ "	Wolverine Standard I. P. Size	Without Air Chamber	\$2.10
495 . . . $\frac{3}{8}$ "	Extra Heavy I. P. Size	Without Air Chamber	2.40
496 . . . $\frac{3}{8}$ "	Wolverine Standard I. P. Size	With Air Chamber	3.60
497 . . . $\frac{3}{8}$ "	Extra Heavy I. P. Size	With Air Chamber	3.90

Above Supplies are $12\frac{1}{2}$ " from end of Top Connection to center of Elbow, and 6" from center of Inlet to end of Wall Pipe.

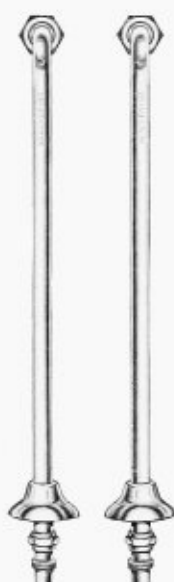


Wolverine One-Piece Bath Supplies

BRASS—NICKELED

FLEXIBLE CONNECTION

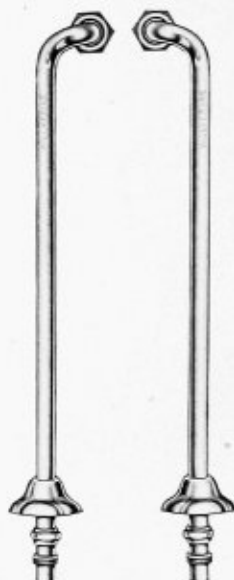
Patented



1-2 INCH
OUTSIDE DIAMETER

Special Annealed
Brass with Slip Joint
Nut for $\frac{1}{2}$ " Iron Pipe
Connection at Floor.

Heavy, Deep Flanges
Furnished



Cross Section of Tubing



Full Size

STRAIGHT

Number	Size	Per Pair
515 . . .	$\frac{1}{2}$ " O. D. Tube . . .	\$2.10

OFFSET

Number	Size	Per Pair
516 . . .	$\frac{1}{2}$ " O. D. Tube . . .	\$2.20

Length, End to Center, 22"

Supplies of Small Diameter
and comparatively Light Weight Wall
are not guaranteed for High Pressure.

For Special Connections and Measurements, see Page 77
Rubber Cone Packings listed on Page 94

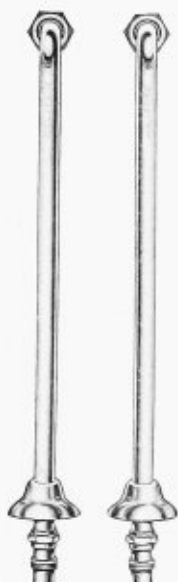
Wolverine One-Piece Bath Supplies



BRASS—NICKELED

FLEXIBLE CONNECTION

Patented

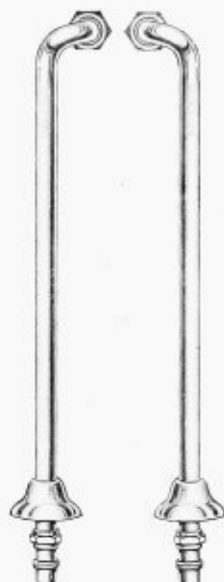


9-16 INCH

OUTSIDE DIAMETER

Special Annealed
Brass with Slip Joint
Nut for $\frac{1}{2}$ " Iron Pipe
Connection at Floor.

Heavy, Deep Flanges
Furnished



Cross Section of Tubing



Full Size

STRAIGHT

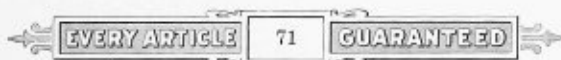
Number	Size	Per Pair
519 . . .	$\frac{9}{16}$ " O. D. Tube . . .	\$2.40

OFFSET

Number	Size	Per Pair
520 . . .	$\frac{9}{16}$ " O. D. Tube . . .	\$2.50

Length, End to Center, 22"

For Special Connections and Measurements, see Page 77
Rubber Cone Packings listed on Page 94



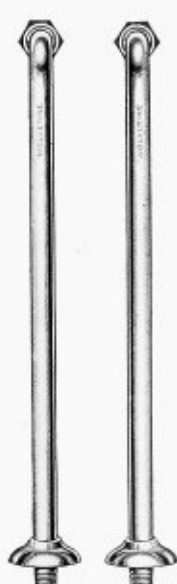


Wolverine One-Piece Bath Supplies

BRASS—NICKELED

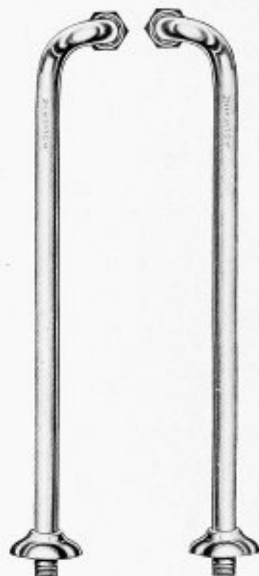
FLEXIBLE CONNECTION

Patented



Special Annealed
Brass Tube Threaded
for $\frac{3}{8}$ " Iron Pipe Con-
nection at Floor.

Heavy Flanges
Furnished



Full Size Cross Section of Tubing



Wolverine Standard
Iron Pipe Size



Extra Heavy
Iron Pipe Size

STRAIGHT

REGULAR LENGTH, 21"

No.	Size	Per Pair
521	$\frac{3}{8}$ " Wolv. Stand. I. P. Size	\$2.40
522	$\frac{3}{8}$ " Extra Heavy I. P. Size	2.60

EXTRA LENGTH, 23"

No.	Size	Per Pair
521-X	$\frac{3}{8}$ " Wolv. Stand. I. P. Size	\$2.50
522-X	$\frac{3}{8}$ " Extra Heavy I. P. Size	2.70

OFFSET

REGULAR LENGTH, 21"

No.	Size	Per Pair
523	$\frac{3}{8}$ " Wolv. Stand. I. P. Size	\$2.50
524	$\frac{3}{8}$ " Extra Heavy I. P. Size	2.70

EXTRA LENGTH, 23"

No.	Size	Per Pair
523-X	$\frac{3}{8}$ " Wolv. Stand. I. P. Size	\$2.60
524-X	$\frac{3}{8}$ " Extra Heavy I. P. Size	2.80

For Special Connections and Measurements, see Page 77
Rubber Cone Packings listed on Page 94

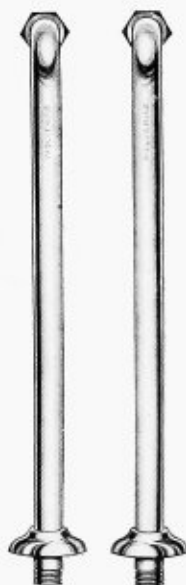
Wolverine One-Piece Bath Supplies



BRASS—NICKELED

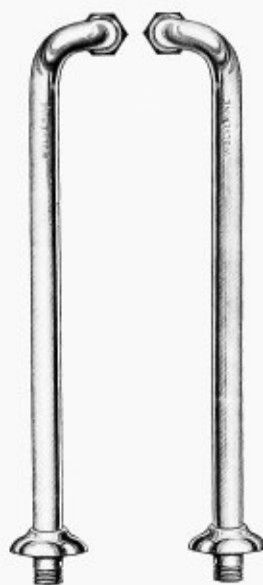
FLEXIBLE CONNECTION

Patented



Special Annealed
Brass Tube Threaded
for $\frac{1}{2}$ " Iron Pipe Con-
nection at Floor.

Heavy Flanges
Furnished



Full Size Cross Section of Tubing



Wolverine Standard
Iron Pipe Size



Extra Heavy
Iron Pipe Size

STRAIGHT

REGULAR LENGTH, 21"

No.	Size	Per Pair
525	$\frac{1}{2}$ " Wolv. Stand. I. P. Size	\$2.90
526	$\frac{1}{2}$ " Extra Heavy I. P. Size	3.20

EXTRA LENGTH, 23"

No.	Size	Per Pair
525-X	$\frac{1}{2}$ " Wolv. Stand. I. P. Size	\$3.00
526-X	$\frac{1}{2}$ " Extra Heavy I. P. Size	3.30

OFFSET

REGULAR LENGTH, 21"

No.	Size	Per Pair
527	$\frac{1}{2}$ " Wolv. Stand. I. P. Size	\$3.00
528	$\frac{1}{2}$ " Extra Heavy I. P. Size	3.30

EXTRA LENGTH, 23"

No.	Size	Per Pair
527-X	$\frac{1}{2}$ " Wolv. Stand. I. P. Size	\$3.10
528-X	$\frac{1}{2}$ " Extra Heavy I. P. Size	3.40

For Special Connections and Measurements, see Page 77
Rubber Cone Packings listed on Page 94



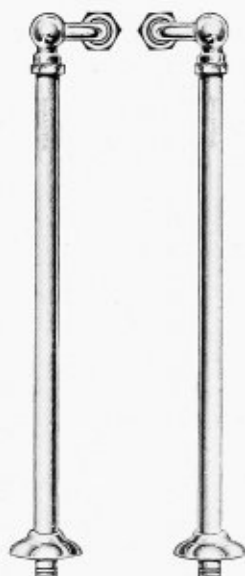
Wolverine Ball Top Bath Supplies

BRASS—NICKELED

FLEXIBLE CONNECTION

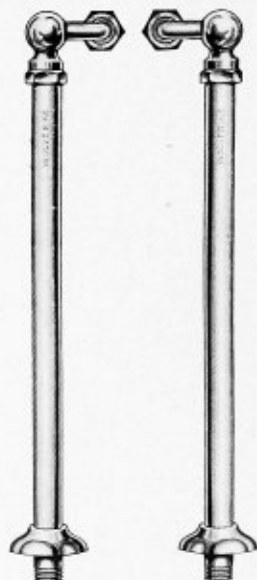
Patented

OFFSET



Special Annealed
Brass Tube Threaded
for $\frac{3}{8}$ " and $\frac{1}{2}$ " Iron
Pipe Connection at
Floor.

Heavy Flanges
Furnished



Full Size Cross Section of Tubing



Wolverine Standard
Iron Pipe Size



Extra Heavy
Iron Pipe Size



Wolverine Standard
Iron Pipe Size



Extra Heavy
Iron Pipe Size

REGULAR LENGTH, 21"

No.	Size	Per Pair
529	$\frac{3}{8}$ " Wolv. Stand. I. P. Size	\$2.90
530	$\frac{3}{8}$ " Extra Heavy I. P. Size	3.10

REGULAR LENGTH, 21"

No.	Size	Per Pair
531	$\frac{1}{2}$ " Wolv. Stand. I. P. Size	\$3.30
532	$\frac{1}{2}$ " Extra Heavy I. P. Size	3.60

EXTRA LENGTH, 23"

No.	Size	Per Pair
529-X	$\frac{3}{8}$ " Wolv. Stand. I. P. Size	\$3.00
530-X	$\frac{3}{8}$ " Extra Heavy I. P. Size	3.20

EXTRA LENGTH, 23"

No.	Size	Per Pair
531-X	$\frac{1}{2}$ " Wolv. Stand. I. P. Size	\$3.40
532-X	$\frac{1}{2}$ " Extra Heavy I. P. Size	3.70

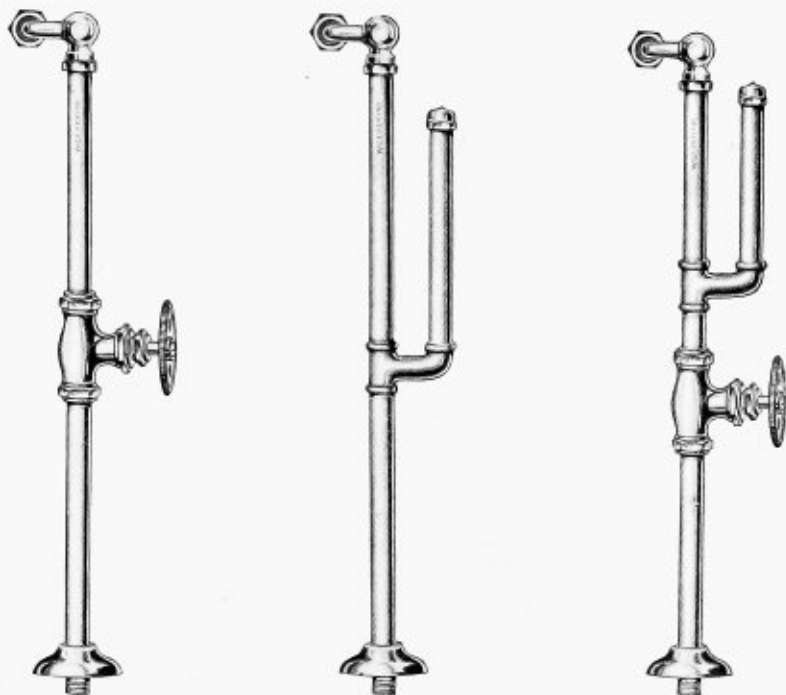
For Special Connections and Measurements, see Page 77
Rubber Cone Packings listed on Page 94

Wolverine Ball Top Bath Supplies

BRASS—NICKELED

FLEXIBLE CONNECTION

Patented



ADD TO LIST PRICE OF SUPPLIES

	Per Pair
For Valve on $\frac{3}{8}$ " I. P. Size	\$2.10
For Valve on $\frac{1}{2}$ " I. P. Size	2.50
For Air Chamber on $\frac{3}{8}$ " Wolverine Standard I. P. Size	2.00
For Air Chamber on $\frac{3}{8}$ " Extra Heavy I. P. Size	2.10
For Air Chamber on $\frac{1}{2}$ " Wolverine Standard I. P. Size	2.30
For Air Chamber on $\frac{1}{2}$ " Extra Heavy I. P. Size	2.40
For Valve and Air Chamber on $\frac{3}{8}$ " Wolverine Standard I. P. Size	4.10
For Valve and Air Chamber on $\frac{3}{8}$ " Extra Heavy I. P. Size	4.20
For Valve and Air Chamber on $\frac{1}{2}$ " Wolverine Standard I. P. Size	4.80
For Valve and Air Chamber on $\frac{1}{2}$ " Extra Heavy I. P. Size	4.90

For Special Connections and Measurements, see Page 77
Rubber Cone Packings listed on Page 94



Wolverine Ball Top Bath Supplies

BRASS—NICKELED

FLEXIBLE CONNECTION

Patented

OFFSET



Special Annealed Brass Tube Threaded for
 $\frac{3}{8}$ " and $\frac{1}{2}$ " Iron Pipe Connection at Floor

Cast Bulb Air Chamber with Slip Joint
Adjustment

Number	Size	Per Pair
535 . . . $\frac{3}{8}$ "	Wolverine Stand. I. P. Size . . .	\$5.90
536 . . . $\frac{3}{8}$ "	Extra Heavy I. P. Size . . .	6.10
537 . . . $\frac{1}{2}$ "	Wolverine Stand. I. P. Size . . .	6.50
538 . . . $\frac{1}{2}$ "	Extra Heavy I. P. Size . . .	6.80

Heavy Flanges Furnished

For Special Connections, see Page 77

Air Chambers only, listed on Page 66



Supply Tubes

BRASS—NICKELED

FOR BASIN AND BATH CONNECTIONS



Number	Size of Tubing	For	Length	Per Pair
540 . . . $\frac{3}{8}$ "	Wolverine Standard I. P. Size . . .	Basin . . .	26" . . .	\$1.90
541 . . . $\frac{3}{8}$ "	Extra Heavy I. P. Size . . .	Basin . . .	26" . . .	2.20
542 . . . $\frac{3}{8}$ "	Wolverine Standard I. P. Size . . .	Basin . . .	28" . . .	2.00
543 . . . $\frac{3}{8}$ "	Extra Heavy I. P. Size . . .	Basin . . .	28" . . .	2.30
544 . . . $\frac{3}{8}$ "	Wolverine Standard I. P. Size . . .	Bath . . .	20" . . .	1.80
545 . . . $\frac{3}{8}$ "	Extra Heavy I. P. Size . . .	Bath . . .	20" . . .	2.00
546 . . . $\frac{3}{8}$ "	Wolverine Standard I. P. Size . . .	Bath . . .	22" . . .	1.90
547 . . . $\frac{3}{8}$ "	Extra Heavy I. P. Size . . .	Bath . . .	22" . . .	2.10
548 . . . $\frac{1}{2}$ "	Wolverine Standard I. P. Size . . .	Bath . . .	20" . . .	2.20
549 . . . $\frac{1}{2}$ "	Extra Heavy I. P. Size . . .	Bath . . .	20" . . .	2.50
550 . . . $\frac{1}{2}$ "	Wolverine Standard I. P. Size . . .	Bath . . .	22" . . .	2.30
551 . . . $\frac{1}{2}$ "	Extra Heavy I. P. Size . . .	Bath . . .	22" . . .	2.60

Heavy Flanges Furnished

Basin and Bath Connections listed on Pages 90-93



Special Connections

BRASS—NICKELED

Patented



WOLVERINE FLEXIBLE JOINT



Always furnished unless otherwise specified. Reliable, adjustable and cannot blow out under extreme pressure.

GROUND JOINT

Any Bath Supply will be furnished with a Solid Ground Joint instead of Flexible Joint at the same price. If required, specify by placing the letters "G. J." after the figure number of Supply wanted.



SOFT METALLIC CONE PACKING



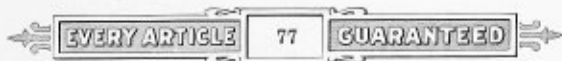
Any Wolverine Bath Supply will be furnished with a Soft Metallic Cone Packing instead of Rubber at the same price. If required, specify by placing the letter "L" after the figure number of Supply wanted.

BATH SUPPLY SPECIFICATIONS

All Offset Supplies—Center to Center of Tubes, 7"

All Straight Supplies—Center to Center of Tubes, 3 $\frac{1}{16}$ "

Length of all Bath Supplies, as catalogued, are from Center to End
Right Hand Supplies for Cold Water. Left Hand Supplies for Hot Water





Fuller Work Handles

CAST BRASS

INTERCHANGEABLE

NICKELED
FOR BATH COCK



Number	Style	Per Dozen
555-C . . .	For Cold Side . . .	\$5.00
555-H . . .	For Hot Side . . .	5.00

CHINA INDEX
FOR BATH COCK



Number	Style	Per Dozen
556-C . . .	For Cold Side . . .	\$10.80
556-H . . .	For Hot Side . . .	10.80

NICKELED
FOR BASIN COCK



Number	Per Dozen
559	\$3.25

CHINA INDEX
FOR BASIN COCK



Number	Style	Per Dozen
560-C . . .	For Cold Side . . .	\$9.75
560-H . . .	For Hot Side . . .	9.75

Compression Work Handles

CAST BRASS

NICKELED CROSS HANDLE
FOR BASIN AND BATH COCKS



Number	Per Dozen
563	\$5.00

CHINA INDEX BALL HANDLE
FOR BASIN AND BATH COCKS



Number	Style	Per Dozen
564-C . . .	For Cold Side . . .	\$7.20
564-H . . .	For Hot Side . . .	7.20



NICKELED TEE HANDLE
FOR BASIN COCKS

Number	Per Dozen
565	\$2.50

TEE HANDLES FOR COMPRESSION BIBBS

ROUGH

POLISHED

NICKELED

No.	567-A	567-B	567-C	No.	568-A	568-B	568-C	No.	569-A	569-B	569-C
Size	1/2"	5/8"	3/4"	Size	1/2"	5/8"	3/4"	Size	1/2"	5/8"	3/4"
Per Dz.	\$1.60	\$1.60	\$1.90	Per Dz.	\$2.20	\$2.20	\$2.50	Per Dz.	\$2.50	\$2.50	\$2.85



Wolverine Fuller Bath Cocks

NICKELED

COLONIAL PATTERN—ROUND BODY



COMPLETE FOR N. P. SUPPLIES—LESS COUPLINGS

No.		Each
571	With nickel plated lock nuts, only.....	\$7.20

COMPLETE WITH COUPLINGS

571-A	With rough couplings for lead pipe, No. 678.....	\$8.20
571-B	With rough couplings threaded $\frac{3}{8}$ " I. P. Male, No. 676-R.....	8.40
571-C	With rough couplings threaded $\frac{1}{2}$ " I. P. Male, No. 677-R.....	8.40
571-D	With nickel plated couplings threaded $\frac{3}{8}$ " I. P. Male, No. 676.....	8.80
571-E	With nickel plated couplings threaded $\frac{1}{2}$ " I. P. Male, No. 677.....	8.80
571-F	With nickel plated couplings tapped $\frac{3}{8}$ " I. P. Female, No. 679-N.....	9.20
571-G	With nickel plated couplings tapped $\frac{1}{2}$ " I. P. Female, No. 671-N.....	9.20
571-H	With nickel plated Ball Offset Couplings tapped $\frac{3}{8}$ " I. P. Female, No. 674-N.....	9.60
571-I	With nickel plated Ball Offset Couplings tapped $\frac{1}{2}$ " I. P. Female, No. 675-N.....	9.60

WITH CHINA INDEX HANDLES



COMPLETE FOR N. P. SUPPLIES—LESS COUPLINGS

No.		Each
574	With nickel plated lock nuts, only.....	\$9.20

COMPLETE WITH COUPLINGS

574-A	With rough couplings for lead pipe, No. 678.....	\$10.20
574-B	With rough couplings threaded $\frac{3}{8}$ " I. P. Male, No. 676-R.....	10.40
574-C	With rough couplings threaded $\frac{1}{2}$ " I. P. Male, No. 677-R.....	10.40
574-D	With nickel plated couplings threaded $\frac{3}{8}$ " I. P. Male, No. 676.....	10.80
574-E	With nickel plated couplings threaded $\frac{1}{2}$ " I. P. Male, No. 677.....	10.80
574-F	With nickel plated couplings tapped $\frac{3}{8}$ " I. P. Female, No. 679-N.....	11.20
574-G	With nickel plated couplings tapped $\frac{1}{2}$ " I. P. Female, No. 671-N.....	11.20
574-H	With nickel plated Ball Offset Couplings tapped $\frac{3}{8}$ " I. P. Female, No. 674-N.....	11.60
574-I	With nickel plated Ball Offset Couplings tapped $\frac{1}{2}$ " I. P. Female, No. 675-N.....	11.60

NET PRICES FURNISHED ON APPLICATION

WOLVERINE BRASS WORKS

Manufacturers

Grand Rapids, Mich.

San Francisco, Calif.

Wolverine Fuller Bath Cocks

NICKELED

COLONIAL PATTERN—ROUND BODY



COMPLETE FOR N. P. SUPPLIES—LESS COUPLINGS

No.		Each
570	With nickel plated lock nuts, only	\$6.60

COMPLETE WITH COUPLINGS

570-A	With rough couplings for lead pipe, No. 678	\$7.60
570-B	With rough couplings threaded $\frac{3}{8}$ " I. P. Male, No. 676-R	7.80
570-C	With rough couplings threaded $\frac{1}{2}$ " I. P. Male, No. 677-R	7.80
570-D	With nickel plated couplings threaded $\frac{3}{8}$ " I. P. Male, No. 676	8.20
570-E	With nickel plated couplings threaded $\frac{1}{2}$ " I. P. Male, No. 677	8.20
570-F	With nickel plated couplings tapped $\frac{3}{8}$ " I. P. Female, No. 670-N	8.60
570-G	With nickel plated couplings tapped $\frac{1}{2}$ " I. P. Female, No. 671-N	8.60
570-H	With nickel plated Ball Offset Couplings tapped $\frac{3}{8}$ " I. P. Female, No. 674-N	9.00
570-I	With nickel plated Ball Offset Couplings tapped $\frac{1}{2}$ " I. P. Female, No. 675-N	9.00

WITH CHINA INDEX HANDLES



COMPLETE FOR N. P. SUPPLIES—LESS COUPLINGS

No.		Each
573	With nickel plated lock nuts, only	\$ 8.60

COMPLETE WITH COUPLINGS

573-A	With rough couplings for lead pipe, No. 678	\$ 9.60
573-B	With rough couplings threaded $\frac{3}{8}$ " I. P. Male, No. 676-R	9.80
573-C	With rough couplings threaded $\frac{1}{2}$ " I. P. Male, No. 677-R	9.80
573-D	With nickel plated couplings threaded $\frac{3}{8}$ " I. P. Male, No. 676	10.20
573-E	With nickel plated couplings threaded $\frac{1}{2}$ " I. P. Male, No. 677	10.20
573-F	With nickel plated couplings tapped $\frac{3}{8}$ " I. P. Female, No. 670-N	10.60
573-G	With nickel plated couplings tapped $\frac{1}{2}$ " I. P. Female, No. 671-N	10.60
573-H	With nickel plated Ball Offset Couplings tapped $\frac{3}{8}$ " I. P. Female, No. 674-N	11.00
573-I	With nickel plated Ball Offset Couplings tapped $\frac{1}{2}$ " I. P. Female, No. 675-N	11.00

Bath Supplies listed on Pages 70-77
 Soap Holders to Hang on Bath Cocks listed on Page 207



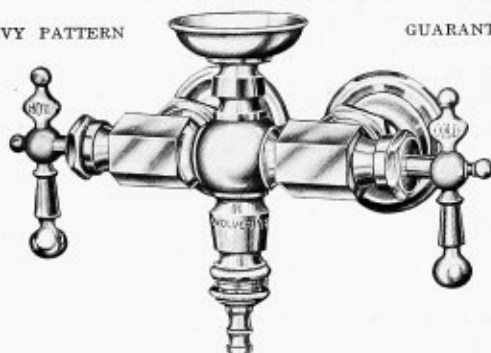
Wolverine Fuller Bath Cocks

NICKELED

WITH GENUINE GOLD LINED JEWEL CUP

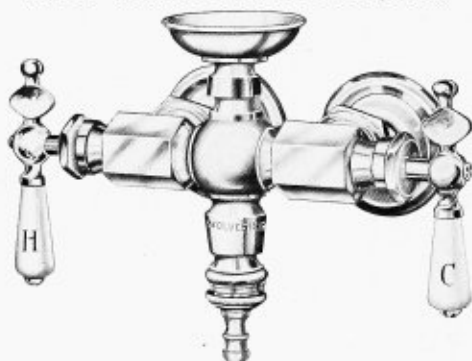
HEAVY PATTERN

GUARANTEED



No.	COMPLETE FOR N. P. SUPPLIES—LESS COUPLINGS	Each
575	With nickel plated lock nuts, only	\$7.40
COMPLETE WITH COUPLINGS		
575-A	With rough couplings for lead pipe, No. 678	\$8.40
575-B	With rough couplings threaded $\frac{3}{8}$ " I. P. Male, No. 676-R	8.60
575-C	With rough couplings threaded $\frac{1}{2}$ " I. P. Male, No. 677-R	8.60
575-D	With nickel plated couplings threaded $\frac{3}{8}$ " I. P. Male, No. 676	9.00
575-E	With nickel plated couplings threaded $\frac{1}{2}$ " I. P. Male, No. 677	9.00
575-F	With nickel plated couplings tapped $\frac{3}{8}$ " I. P. Female, No. 670-N	9.40
575-G	With nickel plated couplings tapped $\frac{1}{2}$ " I. P. Female, No. 671-N	9.40
575-H	With nickel plated Ball Offset Couplings tapped $\frac{3}{8}$ " I. P. Female, No. 674-N	9.80
575-I	With nickel plated Ball Offset Couplings tapped $\frac{1}{2}$ " I. P. Female, No. 675-N	9.80

WITH CHINA INDEX HANDLES



No.	COMPLETE FOR N. P. SUPPLIES—LESS COUPLINGS	Each
578	With nickel plated lock nuts, only	\$ 9.40
COMPLETE WITH COUPLINGS		
578-A	With rough couplings for lead pipe, No. 678	\$10.40
578-B	With rough couplings threaded $\frac{3}{8}$ " I. P. Male, No. 676-R	10.60
578-C	With rough couplings threaded $\frac{1}{2}$ " I. P. Male, No. 677-R	10.60
578-D	With nickel plated couplings threaded $\frac{3}{8}$ " I. P. Male, No. 676	11.00
578-E	With nickel plated couplings threaded $\frac{1}{2}$ " I. P. Male, No. 677	11.00
578-F	With nickel plated couplings tapped $\frac{3}{8}$ " I. P. Female, No. 670-N	11.40
578-G	With nickel plated couplings tapped $\frac{1}{2}$ " I. P. Female, No. 671-N	11.40
578-H	With nickel plated Ball Offset Couplings tapped $\frac{3}{8}$ " I. P. Female, No. 674-N	11.80
578-I	With nickel plated Ball Offset Couplings tapped $\frac{1}{2}$ " I. P. Female, No. 675-N	11.80

Bath Supplies listed on Pages 70-77

Soap Holders to Hang on Bath Cocks listed on Page 207

Wolverine Fuller Bath Cocks

NICKELED

WITH SOAP HOLDER

HEAVY PATTERN

GUARANTEED



No.	COMPLETE FOR N. P. SUPPLIES—LESS COUPLINGS	Each
580	With nickel plated lock nuts, only	\$8.40
COMPLETE WITH COUPLINGS		
580-A	With rough couplings for lead pipe, No. 678	9.40
580-B	With rough couplings threaded $\frac{3}{8}$ " I. P. Male, No. 676-R	9.60
580-C	With rough couplings threaded $\frac{1}{2}$ " I. P. Male, No. 677-R	9.60
580-D	With nickel plated couplings threaded $\frac{3}{8}$ " I. P. Male, No. 676	10.00
580-E	With nickel plated couplings threaded $\frac{1}{2}$ " I. P. Male, No. 677	10.00
580-F	With nickel plated couplings tapped $\frac{3}{8}$ " I. P. Female, No. 670-N	10.40
580-G	With nickel plated couplings tapped $\frac{1}{2}$ " I. P. Female, No. 671-N	10.40
580-H	With nickel plated Ball Offset Couplings tapped $\frac{3}{8}$ " I. P. Female, No. 674-N	10.80
580-I	With nickel plated Ball Offset Couplings tapped $\frac{1}{2}$ " I. P. Female, No. 675-N	10.80

WITH CHINA INDEX HANDLES



No.	COMPLETE FOR N. P. SUPPLIES—LESS COUPLINGS	Each
583	With nickel plated lock nuts, only	\$10.40
COMPLETE WITH COUPLINGS		
583-A	With rough couplings for lead pipe, No. 678	11.40
583-B	With rough couplings threaded $\frac{3}{8}$ " I. P. Male, No. 676-R	11.60
583-C	With rough couplings threaded $\frac{1}{2}$ " I. P. Male, No. 677-R	11.60
583-D	With nickel plated couplings threaded $\frac{3}{8}$ " I. P. Male, No. 676	12.00
583-E	With nickel plated couplings threaded $\frac{1}{2}$ " I. P. Male, No. 677	12.00
583-F	With nickel plated couplings tapped $\frac{3}{8}$ " I. P. Female, No. 670-N	12.40
583-G	With nickel plated couplings tapped $\frac{1}{2}$ " I. P. Female, No. 671-N	12.40
583-H	With nickel plated Ball Offset Couplings tapped $\frac{3}{8}$ " I. P. Female, No. 674-N	12.80
583-I	With nickel plated Ball Offset Couplings tapped $\frac{1}{2}$ " I. P. Female, No. 675-N	12.80

For Soap Holder with Removable Opal Dish, see Discount Sheet.



Wolverine Compression Bath Cocks

NICKELED



CROSS
HANDLES

No.	COMPLETE FOR N. P. SUPPLIES—LESS COUPLINGS	Each
585	With nickel plated lock nuts, only	\$4.65
COMPLETE WITH COUPLINGS		
585-A	With rough couplings for lead pipe, No. 678	\$5.40
585-B	With rough couplings threaded $\frac{3}{8}$ " I. P. Male, No. 676-R	5.55
585-C	With rough couplings threaded $\frac{1}{2}$ " I. P. Male, No. 677-R	5.55
585-D	With nickel plated couplings threaded $\frac{3}{8}$ " I. P. Male, No. 676	5.85
585-E	With nickel plated couplings threaded $\frac{1}{2}$ " I. P. Male, No. 677	5.85
585-F	With nickel plated couplings tapped $\frac{3}{8}$ " I. P. Female, No. 670-N	6.15
585-G	With nickel plated couplings tapped $\frac{1}{2}$ " I. P. Female, No. 671-N	6.15
585-H	With nickel plated Ball Offset Couplings tapped $\frac{3}{8}$ " I. P. Female, No. 674-N	6.60
585-I	With nickel plated Ball Offset Couplings tapped $\frac{1}{2}$ " I. P. Female, No. 675-N	6.60



CHINA
INDEX
HANDLES

No.	COMPLETE FOR N. P. SUPPLIES—LESS COUPLINGS	Each
595	With nickel plated lock nuts, only	\$5.25
COMPLETE WITH COUPLINGS		
595-A	With rough couplings for lead pipe, No. 678	\$6.00
595-B	With rough couplings threaded $\frac{3}{8}$ " I. P. Male, No. 676-R	6.15
595-C	With rough couplings threaded $\frac{1}{2}$ " I. P. Male, No. 677-R	6.15
595-D	With nickel plated couplings threaded $\frac{3}{8}$ " I. P. Male, No. 676	6.45
595-E	With nickel plated couplings threaded $\frac{1}{2}$ " I. P. Male, No. 677	6.45
595-F	With nickel plated couplings tapped $\frac{3}{8}$ " I. P. Female, No. 670-N	6.75
595-G	With nickel plated couplings tapped $\frac{1}{2}$ " I. P. Female, No. 671-N	6.75
595-H	With nickel plated Ball Offset Couplings tapped $\frac{3}{8}$ " I. P. Female, No. 674-N	7.20
595-I	With nickel plated Ball Offset Couplings tapped $\frac{1}{2}$ " I. P. Female, No. 675-N	7.20

"Hot" and "Cold" Indexes held by Threaded Collars and are interchangeable.

Wolverine Compression Bath Cocks

NICKELED

HEAVY PATTERN—ADJUSTABLE FLANGE



CROSS
HANDLES



No.	COMPLETE FOR N. P. SUPPLIES—LESS COUPLINGS	Each
610	With nickel plated lock nuts, only	\$5.25

COMPLETE WITH COUPLINGS

610-A	With rough couplings for lead pipe, No. 678	\$6.00
610-B	With rough couplings threaded $\frac{3}{8}$ " I. P. Male, No. 676-R	6.15
610-C	With rough couplings threaded $\frac{1}{2}$ " I. P. Male, No. 677-R	6.15
610-D	With nickel plated couplings threaded $\frac{3}{8}$ " I. P. Male, No. 676	6.45
610-E	With nickel plated couplings threaded $\frac{1}{2}$ " I. P. Male, No. 677	6.45
610-F	With nickel plated couplings tapped $\frac{3}{8}$ " I. P. Female, No. 670-N	6.75
610-G	With nickel plated couplings tapped $\frac{1}{2}$ " I. P. Female, No. 671-N	6.75
610-H	With nickel plated Ball Offset Couplings tapped $\frac{3}{8}$ " I. P. Female, No. 674-N	7.20
610-I	With nickel plated Ball Offset Couplings tapped $\frac{1}{2}$ " I. P. Female, No. 675-N	7.20



CHINA
INDEX
HANDLES

No.	COMPLETE FOR N. P. SUPPLIES—LESS COUPLINGS	Each
615	With nickel plated lock nuts, only	\$5.85

COMPLETE WITH COUPLINGS

615-A	With rough couplings for lead pipe, No. 678	\$6.60
615-B	With rough couplings threaded $\frac{3}{8}$ " I. P. Male, No. 676-R	6.75
615-C	With rough couplings threaded $\frac{1}{2}$ " I. P. Male, No. 677-R	6.75
615-D	With nickel plated couplings threaded $\frac{3}{8}$ " I. P. Male, No. 676	7.05
615-E	With nickel plated couplings threaded $\frac{1}{2}$ " I. P. Male, No. 677	7.05
615-F	With nickel plated couplings tapped $\frac{3}{8}$ " I. P. Female, No. 670-N	7.35
615-G	With nickel plated couplings tapped $\frac{1}{2}$ " I. P. Female, No. 671-N	7.35
615-H	With nickel plated Ball Offset Couplings tapped $\frac{3}{8}$ " I. P. Female, No. 674-N	7.80
615-I	With nickel plated Ball Offset Couplings tapped $\frac{1}{2}$ " I. P. Female, No. 675-N	7.80

Bath Supplies listed on Pages 70-77.

"Hot" and "Cold" Indexes held by Threaded Collars and are interchangeable.



Wolverine Compression Bath Cocks

NICKELED

WITH STUFFING BOX AND ADJUSTABLE FLANGE

CROSS
HANDLES



No.	COMPLETE FOR N. P. SUPPLIES—LESS COUPLINGS	Each
620	With nickel plated lock nuts, only	\$5.70
COMPLETE WITH COUPLINGS		
620-A	With rough couplings for lead pipe, No. 678	\$6.45
620-B	With rough couplings threaded $\frac{3}{8}$ " I. P. Male, No. 676-R	6.60
620-C	With rough couplings threaded $\frac{1}{2}$ " I. P. Male, No. 677-R	6.60
620-D	With nickel plated couplings threaded $\frac{3}{8}$ " I. P. Male, No. 676	6.90
620-E	With nickel plated couplings threaded $\frac{1}{2}$ " I. P. Male, No. 677	6.90
620-F	With nickel plated couplings tapped $\frac{3}{8}$ " I. P. Female, No. 670-N	7.20
620-G	With nickel plated couplings tapped $\frac{1}{2}$ " I. P. Female, No. 671-N	7.20
620-H	With nickel plated Ball Offset Couplings tapped $\frac{3}{8}$ " I. P. Female, No. 674-N	7.65
620-I	With nickel plated Ball Offset Couplings tapped $\frac{1}{2}$ " I. P. Female, No. 675-N	7.65

CHINA
INDEX
HANDLES



No.	COMPLETE FOR N. P. SUPPLIES—LESS COUPLINGS	Each
625	With nickel plated lock nuts, only	\$6.30
COMPLETE WITH COUPLINGS		
625-A	With rough couplings for lead pipe, No. 678	\$7.05
625-B	With rough couplings threaded $\frac{3}{8}$ " I. P. Male, No. 676-R	7.20
625-C	With rough couplings threaded $\frac{1}{2}$ " I. P. Male, No. 677-R	7.20
625-D	With nickel plated couplings threaded $\frac{3}{8}$ " I. P. Male, No. 676	7.50
625-E	With nickel plated couplings threaded $\frac{1}{2}$ " I. P. Male, No. 677	7.50
625-F	With nickel plated couplings tapped $\frac{3}{8}$ " I. P. Female, No. 670-N	7.80
625-G	With nickel plated couplings tapped $\frac{1}{2}$ " I. P. Female, No. 671-N	7.80
625-H	With nickel plated Ball Offset Couplings tapped $\frac{3}{8}$ " I. P. Female, No. 674-N	8.25
625-I	With nickel plated Ball Offset Couplings tapped $\frac{1}{2}$ " I. P. Female, No. 675-N	8.25

"Hot" and "Cold" Indexes held by Threaded Collars and are interchangeable.

Wolverine Fuller Basin Cocks

NICKELED

CAST SPOUT—STYLE "O"



COCK AND COUPLING NUT

Number	Per Dozen
638-N With Nut only, no Tail Piece	\$37.50

No Tail Piece necessary with Wolverine One-piece Basin Supplies.

COCK COMPLETE

Number	Per Dozen
638-C With Nut and Tail Piece	\$39.00

WITH CHINA INDEX HANDLE

COCK AND COUPLING NUT

Number	Per Dozen
639-N With Nut only, no Tail Piece	\$49.50

No Tail Piece necessary with Wolverine One-piece Basin Supplies.

COCK COMPLETE

Number	Per Dozen
639-C With Nut and Tail Piece	\$51.00



Basin Cock Tail Pieces are Threaded $\frac{1}{4}$ " Iron Pipe Size



Wolverine Compression Basin Cocks

NICKELED

CAST SPOUT—STYLE "O"



TEE HANDLE

COCK AND COUPLING NUT

Number	Per Dozen
643-N With Nut only, no Tail Piece	\$17.00

No Tail Piece necessary with Wolverine One-piece Basin Supplies.

COCK COMPLETE

Number	Per Dozen
643-C With Nut and Tail Piece	\$18.00

CROSS HANDLE

COCK AND COUPLING NUT

Number	Per Dozen
644-N With Nut only, no Tail Piece	\$18.80

No Tail Piece necessary with Wolverine One-piece Basin Supplies.

COCK COMPLETE

Number	Per Dozen
644-C With Nut and Tail Piece	\$19.80



Basin Cock Tail Pieces are Threaded $\frac{1}{4}$ " Iron Pipe Size.

Wolverine Compression Basin Cocks

NICKELED

LOW-DOWN PATTERN—QUICK CLOSING



CROSS HANDLE

WITH OVAL SPOUT

COCK AND COUPLING NUT

Number	Per Dozen
647-N With Nut only, no Tail Piece	\$21.00

No Tail Piece necessary with Wolverine One-piece Basin Supplies.

COCK COMPLETE

Number	Per Dozen
647-C With Nut and Tail Piece	\$22.00

CHINA INDEX HANDLE

OVAL SPOUT

COCK AND COUPLING NUT

Number	Per Dozen
648-N With Nut only, no Tail Piece	\$24.60

No Tail Piece necessary with Wolverine One-piece Basin Supplies.

COCK COMPLETE

Number	Per Dozen
648-C With Nut and Tail Piece	\$25.60



Basin Cock Tail Pieces are Threaded $\frac{1}{4}$ " Iron Pipe Size.
"Hot" and "Cold" Indexes held by Threaded Collars and are interchangeable.



Wolverine Compression Basin Cocks

NICKELED

LOW-DOWN PATTERN—QUICK CLOSING



CHINA INDEX HANDLE

STUFFING BOX AND
SQUARE SPOUT

COCK AND COUPLING NUT

Number		Per Dozen
649-N	With Nut only, no Tail Piece	\$27.60

No Tail Piece necessary
with Wolverine One-piece
Basin Supplies.

COCK COMPLETE

Number		Per Dozen
649-C	With Nut and Tail Piece	\$28.60

PATENT CAP—SQUARE SPOUT

CHINA INDEX HANDLE

COCK AND COUPLING NUT

Number		Per Dozen
650-N	With Nut only, no Tail Piece	\$26.60

No Tail Piece necessary
with Wolverine One-piece
Basin Supplies.

COCK COMPLETE

Number		Per Dozen
650-C	With Nut and Tail Piece	\$27.60



Basin Cock Tail Pieces are Threaded $\frac{1}{4}$ " Iron Pipe Size.
"Hot" and "Cold" Indexes held by Threaded Collars and are interchangeable.



Wolverine Hi-Lo Basin Cocks

NICKELED

QUICK CLOSING COMPRESSION



CHINA INDEX HANDLE

OVAL SPOUT

COCK AND COUPLING NUT

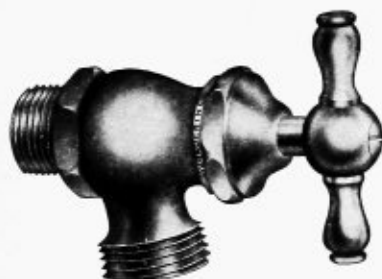
Number	With Nut only, no Tail Piece	Per Dozen
651-N		\$30.60

No Tail Piece necessary

Wolverine Compression Drain Cock

IRON PIPE MALE THREAD

WITH HOSE THREAD ON SPOUT



Number	Size	Finish	Per Dozen
667-R	1/2"	Rgh. White Plated	\$14.00

A long felt want, just what you have been looking for.

A popular priced quick opening Compression Drain Cock of neat design and appearance.

For use on range boilers, wash trays, etc.

WRITE FOR DISCOUNT—TODAY

Wolverine Brass Works

Manufacturers

Grand Rapids, Mich.

San Francisco, Calif.

Number	Size	Per Dozen
660-R	1 1/2"	\$27.60
661-R	3/4"	27.60



LOOSE KEY HANDLE

POLISHED BRASS

ROUGH WHITE PLATED

Number	Size	Per Dozen
665	1 1/2"	\$32.40
666	3/4"	32.40
Add for Nickel Plated		3.60

Number	Size	Per Dozen
665-R	1 1/2"	\$32.40
666-R	3/4"	32.40

Key packed with each Cock. For Extra Keys, see Figure Number 3114.





Wolverine Compression Basin Cocks

NICKELED

LOW-DOWN PATTERN—QUICK CLOSING



CHINA INDEX HANDLE

STUFFING BOX AND
SQUARE SPOUT

COCK AND COUPLING NUT

Number	Per Dozen
649-N	With Nut only, no Tail Piece \$27.60

COCK COMPLETE

Number	Per Dozen
650-C	With Nut and Tail Piece \$27.60



Basin Cock Tail Pieces are Threaded $\frac{1}{4}$ " Iron Pipe Size.

"Hot" and "Cold" Indexes held by Threaded Collars and are interchangeable.



Wolverine Hi-Lo Basin Cocks

NICKELED

QUICK CLOSING COMPRESSION



CHINA INDEX HANDLE

OVAL SPOUT

COCK AND COUPLING NUT

Number	With Nut only, no Tail Piece	Per Dozen
651-N		\$30.60

No Tail Piece necessary with Wolverine One-piece Basin Supplies.

COCK COMPLETE

Number	With Nut and Tail Piece	Per Dozen
651-C		\$31.60

Basin Cock Tail Pieces are Threaded $\frac{1}{4}$ " Iron Pipe Size.

"Hot" and "Cold" Indexes held by Threaded Collars and are interchangeable.

Wolverine Compression Sill Cocks

CAST BRASS—WHEEL HANDLE

POLISHED BRASS

Number	Size	Per Dozen
660	$\frac{1}{2}$ "	\$27.60
661	$\frac{3}{4}$ "	27.60
Add for Nickel Plated		3.60

ROUGH WHITE PLATED

As Illustrated

Number	Size	Per Dozen
660-R	$\frac{1}{2}$ "	\$27.60
661-R	$\frac{3}{4}$ "	27.60



LOOSE KEY HANDLE

POLISHED BRASS

Number	Size	Per Dozen
665	$\frac{1}{2}$ "	\$32.40
666	$\frac{3}{4}$ "	32.40
Add for Nickel Plated		3.60

ROUGH WHITE PLATED

Number	Size	Per Dozen
665-R	$\frac{1}{2}$ "	\$32.40
666-R	$\frac{3}{4}$ "	32.40

Key packed with each Cock. For Extra Keys, see Figure Number 3114.



Wolverine Bath Connections

CAST BRASS

PATENTED—FLEXIBLE JOINT

WITHOUT NUT



BENT

WITH NUT



Number	Tapped	Finish	Per Dozen
670-R	$\frac{3}{8}$ " I. P.	Rgh. W. P.	\$ 8.00
670	$\frac{3}{8}$ " I. P.	Nickel Plated	9.50
671-R	$\frac{1}{2}$ " I. P.	Rgh. W. P.	8.50
671	$\frac{1}{2}$ " I. P.	Nickel Plated	10.00

Number	Tapped	Finish	Per Dozen
670-NR	$\frac{3}{8}$ " I. P.	Rgh. W. P.	\$10.00
670-N	$\frac{3}{8}$ " I. P.	Nickel Plated	11.50
671-NR	$\frac{1}{2}$ " I. P.	Rgh. W. P.	10.50
671-N	$\frac{1}{2}$ " I. P.	Nickel Plated	12.00

WITHOUT NUT



STRAIGHT

WITH NUT



Number	Tapped	Finish	Per Dozen
672-R	$\frac{3}{8}$ " I. P.	Rgh. W. P.	\$7.50
672	$\frac{3}{8}$ " I. P.	Nickel Plated	9.00
673-R	$\frac{1}{2}$ " I. P.	Rgh. W. P.	8.00
673	$\frac{1}{2}$ " I. P.	Nickel Plated	9.50

Number	Tapped	Finish	Per Dozen
672-NR	$\frac{3}{8}$ " I. P.	Rgh. W. P.	\$ 9.50
672-N	$\frac{3}{8}$ " I. P.	Nickel Plated	11.00
673-NR	$\frac{1}{2}$ " I. P.	Rgh. W. P.	10.00
673-N	$\frac{1}{2}$ " I. P.	Nickel Plated	11.50

WITHOUT NUT



OFFSET

WITH NUT



Number	Tapped	Finish	Per Dozen
674-R	$\frac{3}{8}$ " I. P.	Rgh. W. P.	\$10.00
674	$\frac{3}{8}$ " I. P.	Nickel Plated	11.50
675-R	$\frac{1}{2}$ " I. P.	Rgh. W. P.	11.00
675	$\frac{1}{2}$ " I. P.	Nickel Plated	12.50

Number	Tapped	Finish	Per Dozen
674-NR	$\frac{3}{8}$ " I. P.	Rgh. W. P.	\$12.00
674-N	$\frac{3}{8}$ " I. P.	Nickel Plated	13.50
675-NR	$\frac{1}{2}$ " I. P.	Rgh. W. P.	13.00
675-N	$\frac{1}{2}$ " I. P.	Nickel Plated	14.50

Connections furnished with Metallic Cone Packing if specified by placing the letter "L" after figure number.

Supply Tubes listed on Page 76

Ground Joint Bath Couplings

CAST BRASS
WITH NUTS



BENT FOR I. P. MALE



Number	Threaded	Finish	Per Dozen
676-R	. . 3/8" I. P. .	Rgh. W. P. .	\$6.00
676	. . 3/8" I. P. .	Nickel Plated	8.00
677-R	. . 1/2" I. P. .	Rgh. W. P. .	6.00
677	. . 1/2" I. P. .	Nickel Plated	8.00

BENT FOR I. P. FEMALE



Number	Tapped	Finish	Per Dozen
676-FR	. . 3/8" I. P. .	Rgh. W. P. .	\$ 8.00
676-F	. . 3/8" I. P. .	Nickel Plated	10.00

BENT FOR LEAD PIPE



Number	Finish	Per Dozen
678	. . Rgh. White Plated.	\$5.00

OFFSET FEMALE



Number	Tapped	Finish	Per Dozen
679-R	. . 3/8" I. P. .	Rgh. W. P. .	\$11.00
679	. . 3/8" I. P. .	Nickel Plated	12.50
680-R	. . 1/2" I. P. .	Rgh. W. P. .	12.00
680	. . 1/2" I. P. .	Nickel Plated	13.50

Basin Coupling

CAST BRASS—MACHINED FINISH



Number	Description	Per Dozen
681-C	Nut and Tail Piece. . .	\$4.00
681-N	Nut only.	1.50
681-T	1/4" I. P. Tail Piece only	3.00

Bath Cock Nuts

HEAVY CAST BRASS



Number	Size	Finish	Per Dozen
682-R	. . 3/4" I. P. .	Rgh. W. P. .	\$2.50
682	. . 3/4" I. P. .	Nickel Plated	3.00

Bath and Basin Cocks listed on Pages 79-89



Wolverine Basin Connections

CAST BRASS

PATENTED—FLEXIBLE JOINT

STRAIGHT—WITHOUT NUT

Number	Tapped	Finish	Per Dozen
683-R . . .	$\frac{3}{8}$ " I. P. . .	Rough White Plated . . .	\$5.50
683 . . .	$\frac{3}{8}$ " I. P. . .	Nickel Plated . . .	6.50
684-R . . .	$\frac{1}{2}$ " I. P. . .	Rough White Plated . . .	7.00
684 . . .	$\frac{1}{2}$ " I. P. . .	Nickel Plated . . .	7.50



STRAIGHT—WITH NUT

Number	Tapped	Finish	Per Dozen
683-NR . . .	$\frac{3}{8}$ " I. P. . .	Rough White Plated . . .	\$7.00
683-N . . .	$\frac{3}{8}$ " I. P. . .	Nickel Plated . . .	8.00
684-NR . . .	$\frac{1}{2}$ " I. P. . .	Rough White Plated . . .	8.50
684-N . . .	$\frac{1}{2}$ " I. P. . .	Nickel Plated . . .	9.00

BENT—WITHOUT NUT

Number	Tapped	Finish	Per Dozen
685-R . . .	$\frac{3}{8}$ " I. P. . .	Rough White Plated . . .	\$ 8.00
685 . . .	$\frac{3}{8}$ " I. P. . .	Nickel Plated . . .	9.50
686-R . . .	$\frac{1}{2}$ " I. P. . .	Rough White Plated . . .	9.50
686 . . .	$\frac{1}{2}$ " I. P. . .	Nickel Plated . . .	10.50



BENT—WITH NUT

Number	Tapped	Finish	Per Dozen
685-NR . . .	$\frac{3}{8}$ " I. P. . .	Rough White Plated . . .	\$ 9.50
685-N . . .	$\frac{3}{8}$ " I. P. . .	Nickel Plated . . .	10.50
686-NR . . .	$\frac{1}{2}$ " I. P. . .	Rough White Plated . . .	11.00
686-N . . .	$\frac{1}{2}$ " I. P. . .	Nickel Plated . . .	12.00

Basin Supply Coupling

BRASS—NICKELED

Number	Size	Per Dozen
687	$\frac{3}{8}$ " x $\frac{1}{4}$ "	\$4.00



Pacific Coast Slip Joint Elbows

BRASS—NICKELED

Number	Tapped For	Slip Joint For	Length Center to End	Per Dozen
688-A . . .	$\frac{3}{8}$ " I. P. . .	$\frac{1}{8}$ " O. D. Tube . . .	1 $\frac{1}{2}$ " . . .	\$7.50
688-B . . .	$\frac{3}{8}$ " I. P. . .	$\frac{1}{2}$ " O. D. Tube . . .	1 $\frac{1}{2}$ " . . .	7.50
688-C . . .	$\frac{1}{2}$ " I. P. . .	$\frac{1}{8}$ " O. D. Tube . . .	2" . . .	9.00
688-D . . .	$\frac{1}{2}$ " I. P. . .	$\frac{1}{2}$ " O. D. Tube . . .	2" . . .	9.00

Supply Tubes listed on Page 76

Simplex Basin Connections

CAST BRASS

PATENTED FLEXIBLE JOINT



ADJUSTABLE THREADED JOINT

No.	Tapped	Finish	Style	Per Dozen
689-R	$\frac{3}{8}$ " I. P.	Rgh. White Plated	To Wall	\$ 7.50
689	$\frac{3}{8}$ " I. P.	Nickel Plated	To Wall	10.00
690-R	$\frac{3}{8}$ " I. P.	Rgh. White Plated	To Floor	7.50
690	$\frac{3}{8}$ " I. P.	Nickel Plated	To Floor	10.00

Length Center of Elbow to End 5 inches
Cone Adjustment 2 inches

NOTE—Hexagon Bead on floor connection for wrench

WITH VALVE

NICKELED

No.	Size	Length	Per Dozen
691-A	$\frac{3}{8}$ " I. P.	6"	\$30.00
691-D	$\frac{3}{8}$ " I. P.	12"	32.00

Length is from Center of Valve to End of Connection.



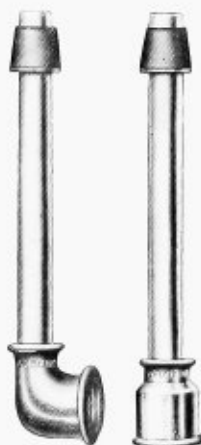
Threaded Collar
insures a firm Joint.

PLAIN SLIP JOINT

No.	Tapped	Finish	Style	Per Dozen
692-R	$\frac{3}{8}$ " I. P.	Rgh. White Plated	To Wall	\$6.00
692	$\frac{3}{8}$ " I. P.	Nickel Plated	To Wall	7.00
693-R	$\frac{3}{8}$ " I. P.	Rgh. White Plated	To Floor	6.00
693	$\frac{3}{8}$ " I. P.	Nickel Plated	To Floor	7.00

Length Center of Elbow to End 5 inches

Basin Cocks Listed on Pages 85-89





Cone Packings

FOR WOLVERINE PATENTED CONNECTIONS

FLEXIBLE COMPOSITION



Number	For	Per Dozen
694-A	Basin Size	\$1.00
694-B	$\frac{1}{8}$ " Tube	1.40
694-C	Bath Size	1.50

SOFT METALLIC

Number	For	Per Dozen
695-A	Basin Size	\$1.20
695-B	Bath Size	1.70



Threaded Brass Friction Rings

FOR WOLVERINE PATENTED CONNECTIONS AND SUPPLIES



Number	For	Per Dozen
696-A	Basin Size	\$1.00
696-B	Bath Size	1.50

Metallic Rings

FOR BASIN AND BATH SLIP JOINTS



Number	For Slip Joints	Per Dozen
697-A	$\frac{1}{2}$ " I. P. x $\frac{3}{8}$ " I. P.	\$0.70
697-B	$\frac{1}{2}$ " I. P. x $\frac{1}{2}$ " I. P.	.70
697-C	$\frac{1}{2}$ " I. P. x $\frac{3}{8}$ " O. D. Tube	.70

Trap Rings listed on Page 36

Wolverine Slip Joint Connections

BRASS—NICKELED

FOR BASIN, BATH, TANK SUPPLIES, ETC.



OUTSIDE VIEW



SECTIONAL VIEW



TO SCREW ON AND SLIP IRON PIPE SIZES

Number	Tapped For	Hole in Nut	Slip Joint For	Per Dozen
700	$\frac{3}{8}$ " I. P.	$\frac{3}{16}$ "	$\frac{1}{2}$ " I. P.	\$ 5.00
701	$\frac{3}{8}$ " I. P.	$\frac{1}{16}$ "	$\frac{1}{4}$ " I. P.	5.00
702	$\frac{3}{8}$ " I. P.	$\frac{1}{8}$ "	$\frac{3}{8}$ " I. P.	6.00
703	$\frac{1}{2}$ " I. P.	$\frac{1}{8}$ "	$\frac{3}{8}$ " I. P.	7.00
704	$\frac{1}{2}$ " I. P.	$\frac{3}{32}$ "	$\frac{1}{2}$ " I. P.	7.50
705	$\frac{3}{4}$ " I. P.	$\frac{3}{16}$ "	$\frac{1}{2}$ " I. P.	9.00
706	$\frac{3}{4}$ " I. P.	$\frac{1}{8}$ "	$\frac{3}{4}$ " I. P.	10.00

TO SCREW ON IRON PIPE AND SLIP TUBE SIZES

Number	Tapped For	Slip Joint For	Per Dozen
711	$\frac{3}{8}$ " I. P.	$\frac{7}{16}$ " O. D. Tube	\$5.00
712	$\frac{3}{8}$ " I. P.	$\frac{1}{2}$ " O. D. Tube	5.00
713	$\frac{3}{8}$ " I. P.	$\frac{5}{8}$ " O. D. Tube	5.00
714	$\frac{3}{8}$ " I. P.	$\frac{5}{8}$ " O. D. Tube	6.00
715	$\frac{1}{2}$ " I. P.	$\frac{3}{8}$ " O. D. Tube	6.50
716	$\frac{1}{2}$ " I. P.	$\frac{7}{8}$ " O. D. Tube	6.50
717	$\frac{1}{2}$ " I. P.	$\frac{1}{2}$ " O. D. Tube	6.50
718	$\frac{1}{2}$ " I. P.	$\frac{5}{8}$ " O. D. Tube	6.50
719	$\frac{1}{2}$ " I. P.	$\frac{5}{8}$ " O. D. Tube	7.00
720	$\frac{1}{2}$ " I. P.	$\frac{3}{4}$ " O. D. Tube	7.25
721	$\frac{1}{2}$ " I. P.	$\frac{11}{16}$ " O. D. Tube	7.50
722	$\frac{3}{4}$ " I. P.	$\frac{3}{4}$ " O. D. Tube	9.00

FLANGED SLIP JOINT CONNECTIONS

Number	Tapped For	Slip Joint For	Per Dozen
735	$\frac{3}{8}$ " I. P.	$\frac{3}{8}$ " I. P.	\$10.00
736	$\frac{1}{2}$ " I. P.	$\frac{1}{4}$ " O. D. Tube	11.00
737	$\frac{1}{2}$ " I. P.	$\frac{3}{8}$ " I. P.	12.00
738	$\frac{1}{2}$ " I. P.	$\frac{1}{2}$ " I. P.	13.00



Supply Tubes listed on Page 76



Flanged Couplings

CAST BRASS—NICKELED

FOR BRASS TRAPS AND PIPE



FINE THREAD

Number	Tapped For	Each
745 . . 1 1/4" I. P. x 1 1/4" Fine Thread . .		\$0.50
746 . . 1 1/2" I. P. x 1 1/4" Fine Thread . .		.70
747 . . 1 1/2" I. P. x 1 1/2" Fine Thread . .		.70

For connecting Iron Pipe to Traps, etc., with Fine Thread.
Flanged for Finish at Wall or Floor.

Trap Slip Joints

BRASS—NICKELED

FLANGED—FOR LEAD PIPE

Number	Reamed For	Slip Joint For	Each
750 . . 1 1/4" Lead Pipe . .		1 1/4" O. D. Tube	\$0.60
751 . . 1 1/2" Lead Pipe . .		1 1/4" O. D. Tube	.80
752 . . 1 1/2" Lead Pipe . .		1 3/8" O. D. Tube	.80
753 . . 1 1/2" Lead Pipe . .		1 1/2" O. D. Tube	.80

For connecting Lead Pipe to Traps, etc.,
and at the same time serves as a finish at
floor or wall.



FOR IRON PIPE—MALE

WITH NICKEL PLATED NUT



Number	Nipple Threaded	Slip Joint For	Each
766 . . 1 1/4" I. P. . .		1 1/4" O. D. Tube . .	\$0.42
767 . . 1 1/4" I. P. . .		1 3/8" O. D. Tube . .	.42
768 . . 1 1/2" I. P. . .		1 1/4" O. D. Tube . .	.52
769 . . 1 1/2" I. P. . .		1 3/8" O. D. Tube . .	.52
770 . . 1 1/2" I. P. . .		1 1/2" O. D. Tube . .	.52

WITH ROUGH BRASS NUT

Number	Nipple Threaded	Slip Joint For	Each
766-R . . 1 1/4" I. P. . .		1 1/4" O. D. Tube . .	\$0.36
767-R . . 1 1/4" I. P. . .		1 3/8" O. D. Tube . .	.36
768-R . . 1 1/2" I. P. . .		1 1/4" O. D. Tube . .	.50
769-R . . 1 1/2" I. P. . .		1 3/8" O. D. Tube . .	.50
770-R . . 1 1/2" I. P. . .		1 1/2" O. D. Tube . .	.50

For connecting Waste and Vents of Traps, etc., to Iron Pipe, comprising a Brass Nipple, Brass Friction Ring and Rubber Slip Joint Washer.



Threaded Collars

CAST BRASS—MACHINED

IRON PIPE—MALE

FOR SOLDER JOINT

Number	780-A	780-B	780-C	780-D	780-E
Iron Pipe Thread Outside	1 1/4"	1 1/4"	1 1/2"	1 1/2"	1 1/2"
Inside Reamed for Tube	1 1/4"	1 3/8"	1 1/4"	1 3/8"	1 1/2"
Each	\$0.15	\$0.15	\$0.19	\$0.17	\$0.16



FOR FINE THREAD JOINT



Number	781-A	781-B	781-C	781-D	781-E
Iron Pipe Thread Outside	1 1/4"	1 1/4"	1 1/2"	1 1/2"	1 1/2"
Inside Fine Thread for Tube	1 1/4"	1 3/8"	1 1/4"	1 3/8"	1 1/2"
Each	\$0.17	\$0.17	\$0.21	\$0.19	\$0.18

FOR FINE THREAD JOINT WITH HEXAGON TOP

Number	785-A	785-B	785-C	785-D	785-E
Iron Pipe Thread Outside	1 1/4"	1 1/4"	1 1/2"	1 1/2"	1 1/2"
Inside Fine Thread for Tube	1 1/4"	1 3/8"	1 1/4"	1 3/8"	1 1/2"
Each	\$0.24	\$0.24	\$0.29	\$0.27	\$0.26



FOR SOLDER JOINT WITH SHOULDER



Number	790-A	790-B	790-C	790-D	790-E
Iron Pipe Thread Outside	1 1/4"	1 1/4"	1 1/2"	1 1/2"	1 1/2"
Inside Reamed for Tube	1 1/4"	1 3/8"	1 1/4"	1 3/8"	1 1/2"
Each	\$0.19	\$0.19	\$0.23	\$0.21	\$0.20

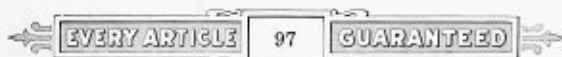
Trap Bushings

CAST BRASS

SOLDER JOINT

FOR LEAD TRAPS AND PIPE

Number	794-A	794-D	794-E
Iron Pipe Thread Outside	1 1/4"	1 1/2"	1 1/2"
Inside Reamed for Lead Pipe	1 1/4"	1 3/8"	1 1/2"
Each	\$0.26	\$0.32	\$0.30





Trap Bushings

CAST BRASS—MACHINED

IRON PIPE—MALE

SOLDER JOINT

FOR LEAD TRAPS AND PIPE



Number	798-A	798-C	798-E	798-H	798-I
Iron Pipe Thread Outside. . .	1 1/4"	1 1/2"	1 1/2"	2"	2"
Inside to Solder on Lead Pipe 1 1/4"	1 1/4"	1 1/4"	1 1/2"	1 1/2"	2"
Each	\$0.22	\$0.28	\$0.25	\$0.48	\$0.40

SOLDER JOINT

FOR BRASS TRAPS AND TUBE

Number	799-A	799-B	799-C	799-D	799-E	799-H	799-I
I. P. Thread Outside 1 1/4"	1 1/4"	1 1/2"	1 1/2"	1 1/2"	2"	2"	2"
Reamed for Tube. . . 1 1/4"	1 3/8"	1 1/4"	1 3/8"	1 1/2"	1 1/2"	2"	2"
Each	\$0.24	\$0.24	\$0.30	\$0.28	\$0.27	\$0.50	\$0.42



FINE THREAD JOINT

FOR BRASS TRAPS AND TUBE



Number	800-A	800-B	800-C	800-D	800-E	800-H	800-I
I. P. Thread Outside 1 1/4"	1 1/4"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	2"	2"
Inside F. T. for Tube 1 1/4"	1 3/8"	1 1/4"	1 3/8"	1 1/2"	1 1/2"	1 1/2"	2"
Each	\$0.26	\$0.26	\$0.32	\$0.30	\$0.29	\$0.52	\$0.44

IRON PIPE—FEMALE

SOLDER JOINT

FOR LEAD TRAPS AND PIPE

Number	802-A	802-C	802-E
Inside Tapped Iron Pipe Thread. . . 1 1/4"	1 1/2"	1 1/2"	1 1/2"
Inside Reamed for Lead Pipe. . . 1 1/4"	1 1/4"	1 1/4"	1 1/2"
Each	\$0.29	\$0.35	\$0.32



SOLDER JOINT

FOR BRASS TRAPS AND TUBE



Number	803-A	803-C	803-E
Inside Tapped Iron Pipe Thread. . . 1 1/4"	1 1/2"	1 1/2"	1 1/2"
Inside Reamed for Tube. 1 1/4"	1 1/4"	1 1/4"	1 1/2"
Each	\$0.31	\$0.37	\$0.34



Wolverine Slip Joint Nuts

MACHINE MILLED—CAST BRASS

FOR CONNECTING TUBULAR GOODS TO IRON PIPE, ETC.



With Brass Friction Rings and Slip Joint Washers
TO SCREW ON AND SLIP IRON PIPE SIZES

NICKEL PLATED						ROUGH BRASS		
Number	Per Dozen		Tapped For	Slip Joint For		Diameter of Hole	Number	Per Dozen
809 . . .	\$1.50 . . .	$\frac{3}{8}$ "	I. P. . .	$\frac{1}{8}$ "	Iron Pipe Size . . .	$\frac{21}{32}$ "	809-R . . .	\$1.20
810 . . .	1.80 . . .	$\frac{1}{2}$ "	I. P. . .	$\frac{1}{8}$ "	Iron Pipe Size . . .	$\frac{21}{32}$ "	810-R . . .	1.50
811 . . .	1.80 . . .	$\frac{1}{2}$ "	I. P. . .	$\frac{1}{4}$ "	Iron Pipe Size . . .	$\frac{21}{32}$ "	811-R . . .	1.50
812 . . .	2.00 . . .	$\frac{3}{4}$ "	I. P. . .	$\frac{3}{8}$ "	Iron Pipe Size . . .	$\frac{21}{32}$ "	812-R . . .	1.65
813 . . .	2.00 . . .	$\frac{3}{4}$ "	I. P. . .	$\frac{1}{2}$ "	Iron Pipe Size . . .	$\frac{21}{32}$ "	813-R . . .	1.65
814 . . .	3.00 . . .	1"	I. P. . .	$\frac{1}{2}$ "	Iron Pipe Size . . .	$\frac{21}{32}$ "	814-R . . .	2.50

TO SCREW ON IRON PIPE AND SLIP TUBE SIZES

NICKEL PLATED						ROUGH BRASS		
Number	Per Dozen		Tapped For	Slip Joint For			Number	Per Dozen
820 . . .	\$1.50 . . .	$\frac{3}{8}$ "	I. P. . .	$\frac{3}{8}$ "	Outside Diameter of Tubing . . .	$\frac{21}{32}$ "	820-R . . .	\$1.20
821 . . .	1.50 . . .	$\frac{3}{8}$ "	I. P. . .	$\frac{1}{2}$ "	Outside Diameter of Tubing . . .	$\frac{21}{32}$ "	821-R . . .	1.20
822 . . .	1.50 . . .	$\frac{3}{8}$ "	I. P. . .	$\frac{1}{2}$ "	Outside Diameter of Tubing . . .	$\frac{21}{32}$ "	822-R . . .	1.20
823 . . .	1.80 . . .	$\frac{1}{2}$ "	I. P. . .	$\frac{3}{8}$ "	Outside Diameter of Tubing . . .	$\frac{21}{32}$ "	823-R . . .	1.50
824 . . .	1.80 . . .	$\frac{1}{2}$ "	I. P. . .	$\frac{1}{2}$ "	Outside Diameter of Tubing . . .	$\frac{21}{32}$ "	824-R . . .	1.50
825 . . .	1.80 . . .	$\frac{1}{2}$ "	I. P. . .	$\frac{1}{2}$ "	Outside Diameter of Tubing . . .	$\frac{21}{32}$ "	825-R . . .	1.50
826 . . .	1.80 . . .	$\frac{1}{2}$ "	I. P. . .	$\frac{3}{4}$ "	Outside Diameter of Tubing . . .	$\frac{21}{32}$ "	826-R . . .	1.50
827 . . .	2.00 . . .	$\frac{3}{4}$ "	I. P. . .	$\frac{1}{2}$ "	Outside Diameter of Tubing . . .	$\frac{21}{32}$ "	827-R . . .	1.65
828 . . .	2.00 . . .	$\frac{3}{4}$ "	I. P. . .	$\frac{1}{2}$ "	Outside Diameter of Tubing . . .	$\frac{21}{32}$ "	828-R . . .	1.65
829 . . .	2.00 . . .	$\frac{3}{4}$ "	I. P. . .	$\frac{3}{4}$ "	Outside Diameter of Tubing . . .	$\frac{21}{32}$ "	829-R . . .	1.65
830 . . .	2.00 . . .	$\frac{3}{4}$ "	I. P. . .	$\frac{3}{4}$ "	Outside Diameter of Tubing . . .	$\frac{21}{32}$ "	830-R . . .	1.65
831 . . .	3.00 . . .	1"	I. P. . .	1"	Outside Diameter of Tubing . . .	$\frac{21}{32}$ "	831-R . . .	2.50
832 . . .	3.75 . . .	$1\frac{1}{4}$ "	I. P. . .	$1\frac{1}{4}$ "	Outside Diameter of Tubing . . .	$\frac{21}{32}$ "	832-R . . .	3.00
833 . . .	3.75 . . .	$1\frac{1}{4}$ "	I. P. . .	$1\frac{3}{8}$ "	Outside Diameter of Tubing . . .	$\frac{21}{32}$ "	833-R . . .	3.00
834 . . .	5.65 . . .	$1\frac{1}{2}$ "	I. P. . .	$1\frac{1}{4}$ "	Outside Diameter of Tubing . . .	$\frac{21}{32}$ "	834-R . . .	4.50
835 . . .	5.65 . . .	$1\frac{1}{2}$ "	I. P. . .	$1\frac{3}{8}$ "	Outside Diameter of Tubing . . .	$\frac{21}{32}$ "	835-R . . .	4.50
836 . . .	5.65 . . .	$1\frac{1}{2}$ "	I. P. . .	$1\frac{1}{2}$ "	Outside Diameter of Tubing . . .	$\frac{21}{32}$ "	836-R . . .	4.50
837 . . .	7.50 . . .	2"	I. P. . .	$1\frac{1}{2}$ "	Outside Diameter of Tubing . . .	$\frac{21}{32}$ "	837-R . . .	6.00
838 . . .	7.50 . . .	2"	I. P. . .	2"	Outside Diameter of Tubing . . .	$\frac{21}{32}$ "	838-R . . .	6.00

Cap Nuts

CAST BRASS—NICKELED

IRON PIPE THREADS

Number	Size	Per Dozen
840 . . .	$1\frac{1}{4}$ "	\$6.00
841 . . .	$1\frac{1}{2}$ "	8.00





Brass Friction Rings

FOR SLIP JOINT NUTS



HOLE FOR TUBING SIZES

Number	Hole for Tube	Outside Diameter	Enters Nut	Per Hundred
862-A	$\frac{3}{8}$ "	$\frac{13}{16}$ "	$\frac{3}{8}$ " I. P.	\$1.75
862-B	$\frac{7}{16}$ "	$\frac{5}{8}$ "	$\frac{3}{8}$ " I. P.	1.75
862-C	$\frac{1}{2}$ "	$\frac{3}{4}$ "	$\frac{3}{8}$ " I. P.	1.75
862-D	$\frac{1}{2}$ "	$\frac{3}{4}$ "	$\frac{1}{2}$ " I. P.	2.15
862-E	$\frac{9}{16}$ "	$\frac{13}{16}$ "	$\frac{1}{2}$ " I. P.	2.15
862-F	$\frac{1}{2}$ "	$\frac{13}{16}$ "	$\frac{3}{4}$ " I. P.	3.15
862-G	$\frac{3}{4}$ "	$\frac{13}{16}$ "	$\frac{3}{4}$ " I. P.	3.15
862-H	$\frac{13}{16}$ "	$\frac{13}{16}$ "	$\frac{3}{4}$ " I. P.	3.15
862-I	$1\frac{1}{16}$ "	$1\frac{1}{2}$ "	$1\frac{1}{16}$ " I. P.	5.65
862-J	$1\frac{1}{4}$ "	$1\frac{3}{8}$ "	$1\frac{1}{2}$ " I. P.	5.65
862-K	$1\frac{3}{8}$ "	$1\frac{1}{2}$ "	$1\frac{1}{4}$ " I. P.	5.65
862-L	$1\frac{3}{8}$ "	$1\frac{3}{8}$ "	$1\frac{1}{2}$ " I. P.	6.25
862-M	$1\frac{1}{2}$ "	$1\frac{3}{8}$ "	$1\frac{1}{2}$ " I. P.	6.25
862-N	$1\frac{1}{2}$ "	$2\frac{1}{8}$ "	2" I. P.	7.50
862-P	2"	$2\frac{3}{8}$ "	2" I. P.	6.90

HOLE FOR IRON PIPE SIZES

Number	Hole for Tube	Outside Diameter	Enters Nut	Per Hundred
863-A	$\frac{1}{8}$ " I. P. Size.	$\frac{13}{16}$ "	$\frac{3}{8}$ " I. P.	\$1.75
863-B	$\frac{1}{8}$ " I. P. Size.	$\frac{11}{16}$ "	$\frac{1}{2}$ " I. P.	2.15
863-C	$\frac{3}{8}$ " I. P. Size.	$\frac{13}{16}$ "	$\frac{3}{8}$ " I. P.	3.15
863-D	$\frac{1}{2}$ " I. P. Size.	$\frac{13}{16}$ "	$\frac{3}{4}$ " I. P.	3.15

SPECIAL—FOR BASIN COCKS AND ODD THREAD NUTS

Number	Hole for Tube	Outside Diameter	Per Hundred
864-A	$\frac{7}{16}$ "	$\frac{5}{8}$ "	\$1.75
864-B	$\frac{7}{16}$ "	$\frac{11}{16}$ "	2.00
864-C	$\frac{7}{16}$ "	$\frac{3}{4}$ "	2.50
864-D	$\frac{1}{2}$ "	$\frac{3}{4}$ "	1.75
864-E	$\frac{1}{2}$ "	$\frac{11}{16}$ "	2.00
864-F	$\frac{1}{2}$ "	$\frac{13}{16}$ "	2.50
864-G	$\frac{1}{2}$ "	$\frac{3}{4}$ "	2.50
864-H	$\frac{1}{2}$ "	$\frac{13}{16}$ "	3.15
864-I	$\frac{13}{16}$ "	$\frac{3}{4}$ "	2.50
864-J	$\frac{5}{8}$ "	$\frac{3}{4}$ "	3.15
864-K	$\frac{3}{4}$ "	$1\frac{1}{16}$ "	3.75

Assortment Brass Friction Rings

Number	Per Box
865 One Gross Assorted.	\$3.15

Threaded Brass Friction Rings listed on
Page 94



W O L V E R I N E
SANITARY
CROSSES
WASTE AND VENT TEES



A Variety to Meet Every Requirement

Wolverine Waste and Vent Tees and Crosses are of sanitary design, made from red brass, perfect and smooth inside and outside, carefully machined threads and furnished complete with cast brass nickel plated nuts, including adjustable metallic joint.



Wolverine Waste and Vent Tees

CAST BRASS—RED METAL

FINE THREAD ON SIDE

WASTE FOR LEAD PIPE, VENT FOR IRON PIPE



Number	Waste For	Vent Tapped For	Side	Each
867-A . . .	1 1/4" L. P. . .	1 1/4" I. P. . .	1 1/4" F. T. . .	\$0.80
867-B . . .	1 1/4" L. P. . .	1 1/4" I. P. . .	1 3/8" F. T. . .	.80
867-G . . .	1 1/2" L. P. . .	1 1/4" I. P. . .	1 1/2" F. T. . .	.94
867-H . . .	1 1/2" L. P. . .	1 1/2" I. P. . .	1 1/4" F. T. . .	.94
867-J . . .	1 1/2" L. P. . .	1 1/2" I. P. . .	1 1/2" F. T. . .	.94

VENT TO CULK

Number	Waste For	Vent to Culk	Side	Each
868-A . . .	1 1/4" L. P. . .	1 1/4" I. P. . .	1 1/4" F. T. . .	\$0.86
868-B . . .	1 1/4" L. P. . .	1 1/4" I. P. . .	1 3/8" F. T. . .	.86
868-G . . .	1 1/2" L. P. . .	1 1/4" I. P. . .	1 1/2" F. T. . .	1.00
868-H . . .	1 1/2" L. P. . .	1 1/2" I. P. . .	1 1/4" F. T. . .	1.00

Length from Center to End of Side 2 1/2 inches

IRON PIPE THREAD ON SIDE

WASTE FOR LEAD PIPE, VENT FOR IRON PIPE

Number	Waste For	Vent Tapped For	Side	Each
869-A . . .	1 1/4" L. P. . .	1 1/4" I. P. . .	1 1/4" I. P. . .	\$0.90
869-E . . .	1 1/2" L. P. . .	1 1/4" I. P. . .	1 1/4" I. P. . .	1.04
869-G . . .	1 1/2" L. P. . .	1 1/4" I. P. . .	1 1/2" I. P. . .	1.04
869-H . . .	1 1/2" L. P. . .	1 1/2" I. P. . .	1 1/4" I. P. . .	1.04
869-J . . .	1 1/2" L. P. . .	1 1/2" I. P. . .	1 1/2" I. P. . .	1.04

VENT TO CULK

Number	Waste For	Vent to Culk	Side	Each
870-A . . .	1 1/4" L. P. . .	1 1/4" I. P. . .	1 1/4" I. P. . .	\$0.96
870-E . . .	1 1/2" L. P. . .	1 1/4" I. P. . .	1 1/4" I. P. . .	1.10
870-G . . .	1 1/2" L. P. . .	1 1/4" I. P. . .	1 1/2" I. P. . .	1.10
870-H . . .	1 1/2" L. P. . .	1 1/2" I. P. . .	1 1/4" I. P. . .	1.10
870-J . . .	1 1/2" L. P. . .	1 1/2" I. P. . .	1 1/2" I. P. . .	1.10



Length from Center to End of Side 2 1/2 inches

Smooth, carefully cored Castings with Perfect Threads.

Wolverine Waste and Vent Tees

CAST BRASS—RED METAL

WITH NICKEL PLATED NUTS AND ADJUSTABLE
METALLIC JOINT



VENT FOR IRON PIPE



WASTE FOR LEAD PIPE—SLIP JOINT ON SIDE

Number	Waste For	Vent Tapped For	Slip Joint For	Each
871-A . . .	1 1/4" L. P. . .	1 1/4" I. P. . .	1 1/4" Tube . .	\$0.90
871-B . . .	1 1/4" L. P. . .	1 1/4" I. P. . .	1 3/8" Tube . .	.90
871-C . . .	1 1/4" L. P. . .	1 1/2" I. P. . .	1 1/4" Tube . .	1.04
871-E . . .	1 1/2" L. P. . .	1 1/4" I. P. . .	1 1/4" Tube . .	1.04
871-F . . .	1 1/2" L. P. . .	1 1/4" I. P. . .	1 3/8" Tube . .	1.04
871-G . . .	1 1/2" L. P. . .	1 1/4" I. P. . .	1 1/2" Tube . .	1.04
871-H . . .	1 1/2" L. P. . .	1 1/2" I. P. . .	1 1/4" Tube . .	1.04
871-I . . .	1 1/2" L. P. . .	1 1/2" I. P. . .	1 3/8" Tube . .	1.04
871-J . . .	1 1/2" L. P. . .	1 1/2" I. P. . .	1 1/2" Tube . .	1.04

Length from Center to End of Side 2 3/4 inches

VENT FOR CALKING

WASTE FOR LEAD PIPE—SLIP JOINT ON SIDE

Number	Waste For	Vent to Calk For	Slip Joint For	Each
872-A . . .	1 1/4" L. P. . .	1 1/4" I. P. . .	1 1/4" Tube . .	\$0.96
872-B . . .	1 1/4" L. P. . .	1 1/4" I. P. . .	1 3/8" Tube . .	.96
872-C . . .	1 1/4" L. P. . .	1 1/2" I. P. . .	1 1/4" Tube . .	1.10
872-E . . .	1 1/2" L. P. . .	1 1/4" I. P. . .	1 1/4" Tube . .	1.10
872-F . . .	1 1/2" L. P. . .	1 1/4" I. P. . .	1 3/8" Tube . .	1.10
872-G . . .	1 1/2" L. P. . .	1 1/4" I. P. . .	1 1/2" Tube . .	1.10
872-H . . .	1 1/2" L. P. . .	1 1/2" I. P. . .	1 1/4" Tube . .	1.10
872-I . . .	1 1/2" L. P. . .	1 1/2" I. P. . .	1 3/8" Tube . .	1.10
872-J . . .	1 1/2" L. P. . .	1 1/2" I. P. . .	1 1/2" Tube . .	1.10

Length from Center to End of Side 2 3/4 inches



Smooth, carefully cored Castings with Perfect Threads.



Wolverine Waste and Vent Tees

CAST BRASS—RED METAL

WITH NICKEL PLATED NUTS AND ADJUSTABLE
METALLIC JOINT

VENT FOR IRON PIPE



WASTE FOR SOIL PIPE—SLIP JOINT ON SIDE

Number	Waste to Calk Into	Vent Tapped For	Slip Joint For	Each
873-H	2" Soil Pipe	1½" I. P.	1¼" Tube	\$1.44
873-I	2" Soil Pipe	1½" I. P.	1½" Tube	1.44
873-J	2" Soil Pipe	1½" I. P.	1½" Tube	1.60

VENT FOR CALKING

Number	Waste to Calk Into	Vent to Calk For	Slip Joint For	Each
874-E	2" Soil Pipe	1¼" I. P.	1¼" Tube	\$1.36
874-F	2" Soil Pipe	1¼" I. P.	1½" Tube	1.36
874-G	2" Soil Pipe	1¼" I. P.	1½" Tube	1.50
874-H	2" Soil Pipe	1½" I. P.	1¼" Tube	1.50
874-I	2" Soil Pipe	1½" I. P.	1½" Tube	1.50
874-J	2" Soil Pipe	1½" I. P.	1½" Tube	1.66

Length from Center to End
of Side 2¾ inches

VENT FOR IRON PIPE

WASTE FOR LEAD PIPE—SLIP JOINT ON SIDE

Number	Waste For	Vent Tapped For	Slip Joint For	Each
877-J	1½" L. P.	1½" I. P.	1½" Tube	\$1.44

Length from Center to End
of Side 3½ inches



Smooth, carefully cored Castings with Perfect Threads.

Wolverine Waste and Vent Tees

CAST BRASS—RED METAL



VENT FOR IRON PIPE

WASTE FOR LEAD PIPE—SIDE FOR IRON PIPE

Number	Waste For	Vent Tapped For	Side Tapped For	Each
879-A . . .	1 1/4" L. P. . .	1 1/4" I. P. . .	1 1/4" I. P. . .	\$0.90
879-J . . .	1 1/2" L. P. . .	1 1/2" I. P. . .	1 1/2" I. P. . .	1.04

Length from Center to End
of Side 2 1/4 inches

VENT FOR IRON PIPE

WASTE AND SIDE FOR IRON PIPE

Number	Waste Tapped For	Vent Tapped For	Side Tapped For	Each
881-H . . .	1 1/2" I. P. . .	1 1/2" I. P. . .	1 1/4" I. P. . .	\$1.04
881-J . . .	1 1/2" I. P. . .	1 1/2" I. P. . .	1 1/2" I. P. . .	1.04

Length from Center to End
of Side 2 3/8 inches



VENT FOR CALKING

WASTE AND SIDE FOR IRON PIPE

Number	Waste Tapped For	Vent to Calk For	Side Tapped For	Each
885-H . . .	1 1/2" I. P. . .	1 1/2" I. P. . .	1 1/4" I. P. . .	\$1.10
885-J . . .	1 1/2" I. P. . .	1 1/2" I. P. . .	1 1/2" I. P. . .	1.10

Length from Center to End
of Side 2 3/8 inches



Smooth, carefully cored Castings with Perfect Threads



Wolverine Waste and Vent Tees

CAST BRASS—RED METAL

WITH NICKEL PLATED NUTS AND ADJUSTABLE
METALLIC JOINT

VENT FOR IRON PIPE



WASTE FOR IRON PIPE—SLIP JOINT ON SIDE

Number	Waste For	Vent Tapped For	Slip Joint For	Each
886-A . . .	1¼" I. P. . .	1¼" I. P. . .	1¼" Tube . .	\$1.10
886-B . . .	1¼" I. P. . .	1¼" I. P. . .	1¾" Tube . .	1.10
886-E . . .	1½" I. P. . .	1¼" I. P. . .	1¼" Tube . .	1.24
886-F . . .	1½" I. P. . .	1¼" I. P. . .	1¾" Tube . .	1.24
886-G . . .	1½" I. P. . .	1¼" I. P. . .	1½" Tube . .	1.24
886-H . . .	1½" I. P. . .	1½" I. P. . .	1¼" Tube . .	1.24
886-I . . .	1½" I. P. . .	1½" I. P. . .	1¾" Tube . .	1.24
886-J . . .	1½" I. P. . .	1½" I. P. . .	1½" Tube . .	1.24

Length from Center to End of Side 2¾ inches

VENT FOR CALKING

WASTE FOR IRON PIPE—SLIP JOINT ON SIDE

Number	Waste For	Vent to Calk For	Slip Joint For	Each
887-A . . .	1¼" I. P. . .	1¼" I. P. . .	1¼" Tube . .	\$1.16
887-B . . .	1¼" I. P. . .	1¼" I. P. . .	1¾" Tube . .	1.16
887-E . . .	1½" I. P. . .	1¼" I. P. . .	1¼" Tube . .	1.30
887-F . . .	1½" I. P. . .	1¼" I. P. . .	1¾" Tube . .	1.30
887-G . . .	1½" I. P. . .	1¼" I. P. . .	1½" Tube . .	1.30
887-H . . .	1½" I. P. . .	1½" I. P. . .	1¼" Tube . .	1.30
887-J . . .	1½" I. P. . .	1½" I. P. . .	1½" Tube . .	1.30

Length from Center to End of Side 2¾ inches



Smooth, carefully cored Castings with Perfect Threads.

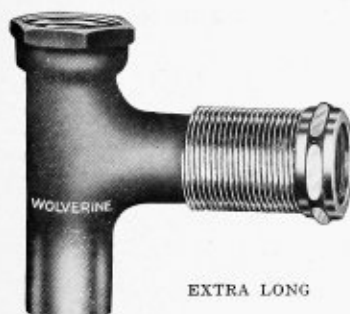
Wolverine Waste and Vent Tees

CAST BRASS—RED METAL

WITH NICKEL PLATED NUTS AND ADJUSTABLE
METALLIC JOINT



VENT FOR IRON PIPE



WASTE FOR LEAD PIPE—SLIP JOINT ON SIDE

Number	Waste For	Vent Tapped For	Slip Joint For	Each
890-A	1 1/4" L. P. . .	1 1/4" I. P. . .	1 1/4" Tube .	\$1.00
890-B	1 1/4" L. P. . .	1 1/4" I. P. . .	1 3/8" Tube .	1.00
890-C	1 1/4" L. P. . .	1 1/2" I. P. . .	1 1/4" Tube .	1.24
890-D	1 1/4" L. P. . .	1 1/2" I. P. . .	1 3/8" Tube .	1.24
890-E	1 1/2" L. P. . .	1 1/4" I. P. . .	1 1/4" Tube .	1.24
890-F	1 1/2" L. P. . .	1 1/4" I. P. . .	1 3/8" Tube .	1.24
890-G	1 1/2" L. P. . .	1 1/4" I. P. . .	1 1/2" Tube .	1.24
890-H	1 1/2" L. P. . .	1 1/2" I. P. . .	1 1/4" Tube .	1.24
890-I	1 1/2" L. P. . .	1 1/2" I. P. . .	1 3/8" Tube .	1.24
890-J	1 1/2" L. P. . .	1 1/2" I. P. . .	1 1/2" Tube .	1.24

Length from Center to End of Side 4 1/4 inches

VENT FOR CALKING

WASTE FOR LEAD PIPE—SLIP JOINT ON SIDE

Number	Waste For	Vent to Calk For	Slip Joint For	Each
891-A	1 1/4" L. P. . .	1 1/4" I. P. . .	1 1/4" Tube .	\$1.06
891-B	1 1/4" L. P. . .	1 1/4" I. P. . .	1 3/8" Tube .	1.06
891-E	1 1/2" L. P. . .	1 1/4" I. P. . .	1 1/4" Tube .	1.30
891-F	1 1/2" L. P. . .	1 1/4" I. P. . .	1 3/8" Tube .	1.30
891-G	1 1/2" L. P. . .	1 1/4" I. P. . .	1 1/2" Tube .	1.30
891-H	1 1/2" L. P. . .	1 1/2" I. P. . .	1 1/4" Tube .	1.30
891-I	1 1/2" L. P. . .	1 1/2" I. P. . .	1 3/8" Tube .	1.30
891-J	1 1/2" L. P. . .	1 1/2" I. P. . .	1 1/2" Tube .	1.30

Length from Center to End of Side 4 1/4 inches



Smooth, carefully cored Castings with Perfect Threads.

Above Fittings adapted for either 4 or 6-inch partitions, at the same time can be cut off any desired length, leaving the proper thread for nut. Inside is reamed entire length for Tube.



Wolverine Waste and Vent Tees

CAST BRASS—RED METAL

WITH NICKEL PLATED NUTS AND ADJUSTABLE
METALLIC JOINT

VENT FOR IRON PIPE



WASTE FOR IRON PIPE—SLIP JOINT ON SIDE

Number	Waste For	Vent Tapped For	Slip Joint For	Each
892-A	1 1/4" I. P.	1 1/4" I. P.	1 1/4" Tube	\$1.30
892-B	1 1/4" I. P.	1 1/4" I. P.	1 3/8" Tube	1.30
892-E	1 1/2" I. P.	1 1/4" I. P.	1 1/4" Tube	1.44
892-F	1 1/2" I. P.	1 1/4" I. P.	1 3/8" Tube	1.44
892-G	1 1/2" I. P.	1 1/4" I. P.	1 1/2" Tube	1.44
892-H	1 1/2" I. P.	1 1/2" I. P.	1 1/4" Tube	1.44
892-I	1 1/2" I. P.	1 1/2" I. P.	1 3/8" Tube	1.44
892-J	1 1/2" I. P.	1 1/2" I. P.	1 1/2" Tube	1.44

Length from Center to End of Side 4 1/4 inches

VENT FOR CALKING

WASTE FOR IRON PIPE—SLIP JOINT ON SIDE

Number	Waste For	Vent to Calk For	Slip Joint For	Each
893-A	1 1/4" I. P.	1 1/4" I. P.	1 1/4" Tube	\$1.36
893-B	1 1/4" I. P.	1 1/4" I. P.	1 3/8" Tube	1.36
893-E	1 1/2" I. P.	1 1/4" I. P.	1 1/4" Tube	1.50
893-F	1 1/2" I. P.	1 1/4" I. P.	1 3/8" Tube	1.50
893-G	1 1/2" I. P.	1 1/4" I. P.	1 1/2" Tube	1.50
893-H	1 1/2" I. P.	1 1/2" I. P.	1 1/4" Tube	1.50
893-I	1 1/2" I. P.	1 1/2" I. P.	1 3/8" Tube	1.50
893-J	1 1/2" I. P.	1 1/2" I. P.	1 1/2" Tube	1.50

Length from Center to End of Side 4 1/4 inches



Smooth, carefully cored Castings with Perfect Threads.

Above Fittings adapted for either 4 or 6-inch partitions, at the same time can be cut off any desired length, leaving the proper thread for nut. Inside is reamed entire length for Tube.

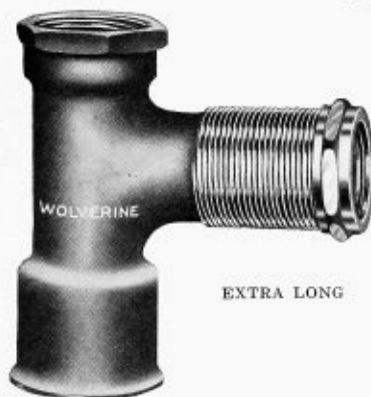


Wolverine Waste and Vent Tees

CAST BRASS—RED METAL

WITH NICKEL PLATED NUTS AND ADJUSTABLE
METALLIC JOINT

VENT FOR IRON PIPE



WASTE FOR SOIL PIPE—SLIP JOINT ON SIDE

Number	Waste to Calk Into	Vent Tapped For	Slip Joint For	Each
894-H	2" Soil Pipe	1½" I. P.	1¼" Tube	\$1.64
894-I	2" Soil Pipe	1½" I. P.	1¾" Tube	1.64
894-J	2" Soil Pipe	1½" I. P.	1½" Tube	1.80

VENT FOR CALKING

Number	Waste to Calk Into	Vent Tapped For	Slip Joint For	Each
895-E	2" Soil Pipe	1¼" I. P.	1¼" Tube	\$1.56
895-F	2" Soil Pipe	1¼" I. P.	1¾" Tube	1.56
895-G	2" Soil Pipe	1¼" I. P.	1½" Tube	1.70
895-H	2" Soil Pipe	1½" I. P.	1¼" Tube	1.70
895-I	2" Soil Pipe	1½" I. P.	1¾" Tube	1.70
895-J	2" Soil Pipe	1½" I. P.	1½" Tube	1.86

Length from Center to End of Side 4¼ inches

Wolverine Waste and Vent Crosses

CAST BRASS—RED METAL

WITH NICKEL PLATED NUTS AND ADJUSTABLE
METALLIC JOINT

FOR 2-INCH SOIL PIPE



EXTRA LONG

10-INCH SPREAD

VENT FOR IRON PIPE

Number	Waste to Calk Into	Vent Tapped For	Slip Joint For	Each
900-J	2" Soil Pipe	1½" I. P.	1½" Tube	\$3.64

VENT FOR CALKING

Number	Waste to Calk Into	Vent to Calk For	Slip Joint For	Each
901-J	2" Soil Pipe	1½" I. P.	1½" Tube	\$3.70





Wolverine Waste and Vent Crosses

CAST BRASS—RED METAL

WITH NICKEL PLATED NUTS AND ADJUSTABLE
METALLIC JOINT

VENT FOR IRON PIPE

WASTE FOR LEAD PIPE—SLIP JOINT ON SIDES



EXTRA LONG

10-INCH SPREAD

Number	Waste For	Vent Tapped For	Slip Joint For	Each
902-A	1 1/4" L. P.	1 1/4" I. P.	1 1/4" Tubes	\$2.80
902-E	1 1/2" L. P.	1 1/4" I. P.	1 1/4" Tubes	3.00
902-F	1 1/2" L. P.	1 1/4" I. P.	1 3/8" Tubes	3.00
902-G	1 1/2" L. P.	1 1/4" I. P.	1 1/2" Tubes	3.00
902-H	1 1/2" L. P.	1 1/2" I. P.	1 1/4" Tubes	3.00
902-I	1 1/2" L. P.	1 1/2" I. P.	1 3/8" Tubes	3.00
902-J	1 1/2" L. P.	1 1/2" I. P.	1 1/2" Tubes	3.00

VENT FOR CALKING

WASTE FOR LEAD PIPE—SLIP JOINT ON SIDES



EXTRA LONG

10-INCH SPREAD

Number	Waste For	Vent to Calk For	Slip Joint For	Each
903-E	1 1/2" L. P.	1 1/4" I. P.	1 1/4" Tubes	\$3.06
903-F	1 1/2" L. P.	1 1/4" I. P.	1 3/8" Tubes	3.06
903-G	1 1/2" L. P.	1 1/4" I. P.	1 1/2" Tubes	3.06
903-H	1 1/2" L. P.	1 1/2" I. P.	1 1/4" Tubes	3.06
903-I	1 1/2" L. P.	1 1/2" I. P.	1 3/8" Tubes	3.06
903-J	1 1/2" L. P.	1 1/2" I. P.	1 1/2" Tubes	3.06

Fittings adapted for 4 or 6 inch partitions, can be cut off any desired length and still retain proper thread for nut.

Inside is reamed entire length for Tube.

Will be furnished with 8-inch spread if so specified.

Wolverine Waste and Vent Crosses

CAST BRASS—RED METAL

WITH NICKEL PLATED NUTS AND ADJUSTABLE
METALLIC JOINT



VENT FOR IRON PIPE

WASTE FOR IRON PIPE—SLIP JOINT ON SIDES



EXTRA LONG

10-INCH SPREAD

Number	Waste For	Vent Tapped For	Slip Joint For	Each
904-A	1 1/4" I. P.	1 1/4" I. P.	1 1/4" Tubes	\$3.00
904-E	1 1/2" I. P.	1 1/4" I. P.	1 1/4" Tubes	3.20
904-F	1 1/2" I. P.	1 1/4" I. P.	1 3/8" Tubes	3.20
904-G	1 1/2" I. P.	1 1/4" I. P.	1 1/2" Tubes	3.20
904-J	1 1/2" I. P.	1 1/2" I. P.	1 1/2" Tubes	3.20

VENT FOR CALKING

WASTE FOR IRON PIPE—SLIP JOINT ON SIDES



EXTRA LONG

10-INCH SPREAD

Number	Waste For	Vent to Calk For	Slip Joint For	Each
905-E	1 1/2" I. P.	1 1/4" I. P.	1 1/4" Tubes	\$3.26
905-F	1 1/2" I. P.	1 1/4" I. P.	1 3/8" Tubes	3.26
905-G	1 1/2" I. P.	1 1/4" I. P.	1 1/2" Tubes	3.26
905-J	1 1/2" I. P.	1 1/2" I. P.	1 1/2" Tubes	3.26

Fittings adapted for 4 or 6 inch partitions, can be cut off any desired length and still retain proper thread for nut.

Inside is reamed entire length for Tube.

Will be furnished with 8-inch spread if so specified.



Wolverine Waste and Vent Elbows

CAST BRASS—RED METAL

WITH NICKEL PLATED NUTS AND ADJUSTABLE
METALLIC JOINT

TOP FOR IRON PIPE



WITH SLIP JOINT END

Number	Slip Joint For	Tapped For	Each
906-A	1 1/4" Tube . . .	1 1/4" I. P. . . .	\$0.80
906-J	1 1/2" Tube . . .	1 1/2" I. P. . . .	.92

Length Center to End 3 inches.

TOP SLIP JOINT FOR TUBE

WITH END FOR LEAD PIPE

Number	End For	Slip Joint For	Each
908-A	1 1/4" L. P. . . .	1 1/4" Tube	\$0.80
908-H	1 1/2" L. P. . . .	1 1/4" Tube	.92
908-J	1 1/2" L. P. . . .	1 1/2" Tube	.92

Length Center to End 3 inches



TOP FOR CALKING



WITH END FOR LEAD PIPE

Extra Long

Number	End For	Top to Calk	Each
910-J	1 1/2" L. P. . . .	1 1/2" I. P. . . .	\$1.00

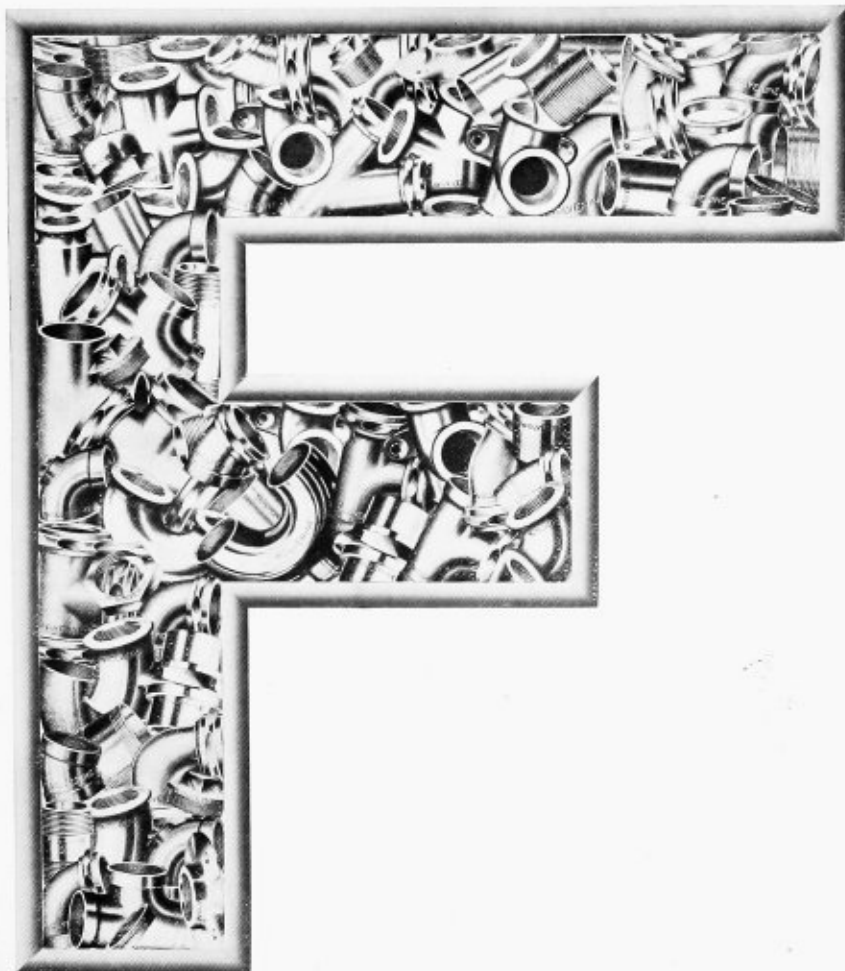
Length Center to End 6 inches.

Smooth, carefully cored Castings with Perfect Threads.



W O L V E R I N E

HIGH GRADE
FITTINGS



A Line of Dependable Fittings, Pages 114-131

Wolverine Fittings are made from High Grade Metals, carefully cored Smooth Castings, Perfectly Machined Threads and Beads. Tested and Guaranteed.



Wolverine Handy Solder Fittings

BRASS—NICKELED

FOR TUBING



90° ELBOW

No.	920-B	920-D	920-E	920-F	920-H
Size	1"	1 1/4"	1 3/8"	1 1/2"	2"
Per Doz.	\$4.50	\$4.80	\$5.80	\$6.00	\$9.60

60° ELBOW

No.	922-B	922-D	922-E	922-F	922-H
Size	1"	1 1/4"	1 3/8"	1 1/2"	2"
Per Doz.	\$4.50	\$4.80	\$5.80	\$6.00	\$9.60



45° ELBOW

No.	925-B	925-D	925-E	925-F	925-H
Size	1"	1 1/4"	1 3/8"	1 1/2"	2"
Per Doz.	\$4.50	\$4.80	\$5.80	\$6.00	\$9.60

SLEEVE

No.	928-B	928-D	928-E	928-F	928-H
Size	1"	1 1/4"	1 3/8"	1 1/2"	2"
Per Doz.	\$1.50	\$1.80	\$2.00	\$2.10	\$3.60



Wolverine Handy Solder Fittings

BRASS—NICKELED

FOR TUBING



SANITARY TEES

No.	930-B	930-D	930-E	930-F	930-H
Size	1"	1 1/4"	1 3/8"	1 1/2"	2"
Per Doz.	\$7.00	\$7.20	\$8.80	\$9.40	\$16.00

Extension Tubes

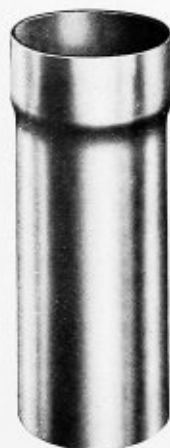
BRASS—NICKELED

SINGLE SWEDGED

Number	For Tube	Length	Per Dozen
935-A	1 1/4"	3"	\$2.00
935-B	1 1/4"	6"	3.30
935-C	1 1/4"	9"	4.60
936-A	1 3/8"	3"	2.00
936-B	1 3/8"	6"	3.30
936-C	1 3/8"	9"	4.60
937-A	1 1/2"	3"	2.40
937-B	1 1/2"	6"	3.90
937-C	1 1/2"	9"	5.50
939-A	2"	3"	2.90
939-B	2"	6"	4.60
939-C	2"	9"	6.40

DOUBLE SWEDGED

Number	For Tube	Length	Per Dozen
940-A	1 1/4"	6"	\$4.40
940-B	1 1/4"	9"	5.70
940-C	1 1/4"	12"	7.00
941-A	1 3/8"	6"	4.40
941-B	1 3/8"	9"	5.70
941-C	1 3/8"	12"	7.00
942-A	1 1/2"	6"	4.80
942-B	1 1/2"	9"	6.60
942-C	1 1/2"	12"	8.20
944-A	2"	6"	6.20
944-B	2"	9"	7.90
944-C	2"	12"	9.60



An assortment of Extension Tubes on hand will be found very profitable. For lengthening any waste, vent or flush pipe, simply slip Tube into swedged end and tack with solder.



Wolverine Fine Thread Fittings

BRASS—NICKELED

FOR TUBING

90° ELBOW



No.	950-B	950-D	950-E	950-F	950-H
Size	1"	1¼"	1½"	1½"	2"
Per Doz.	\$4.70	\$5.00	\$6.00	\$6.40	\$10.50

90° ELBOW WITH CLEANOUT

No.	952-D	952-E	952-F	952-H
Size	1¼"	1½"	1½"	2"
Per Dozen	\$8.60	\$10.00	\$10.80	\$16.50



60° ELBOW



No.	955-D	955-E	955-F	955-H
Size	1¼"	1½"	1½"	2"
Per Dozen	\$5.00	\$6.00	\$6.40	\$10.50

45° ELBOW

No.	958-B	958-D	958-E	958-F	958-H
Size	1"	1¼"	1½"	1½"	2"
Per Doz.	\$4.70	\$5.00	\$6.00	\$6.40	\$10.50



Threads 27 to the inch.
Fine Threading Sets Listed on Pages 406-407

Wolverine Fine Thread Fittings

BRASS—NICKELED

FOR TUBING



SANITARY TEES



No.	960-B	960-D	960-E	960-F	960-H
Size	1"	1 1/4"	1 3/8"	1 1/2"	2"
Per Doz.	\$7.20	\$7.60	\$9.00	\$9.70	\$16.80

Sanitary Crosses Listed on Page 122

COUPLINGS

No.	965-B	965-D	965-E	965-F	965-H
Size	1"	1 1/4"	1 3/8"	1 1/2"	2"
Per Doz.	\$3.80	\$4.00	\$4.20	\$4.30	\$5.60



CLOSE NIPPLES



No.	967-B	967-D	967-E	967-F	967-H
Size	1"	1 1/4"	1 3/8"	1 1/2"	2"
Length	1/2"	1/2"	1/2"	1/2"	1/2"
Per Doz.	\$3.80	\$4.00	\$4.20	\$4.30	\$5.60

SPACE NIPPLES

No.	969-B	969-D	969-E	969-F	969-H
Size	1"	1 1/4"	1 3/8"	1 1/2"	2"
Length	3/4"	1"	1 1/4"	1 1/2"	1 3/4"
Per Doz.	\$4.00	\$4.20	\$4.40	\$4.50	\$5.80



FLANGES—FINE THREAD



No.	975-B	975-D	975-E	975-F	975-H
Size	1"	1 1/4"	1 3/8"	1 1/2"	2"
Per Doz.	\$4.40	\$4.80	\$5.60	\$6.00	\$8.40

Flanges with Iron Pipe Thread Listed on Page 129



Wolverine Fine Thread Fittings

BRASS—NICKELED

FOR TUBING

PLUGS



No.	977-B	977-D	977-E	977-F	977-H
Size	1"	1 1/4"	1 3/8"	1 1/2"	2"
Per Doz.	\$3.40	\$3.60	\$4.00	\$4.40	\$6.00

COLLAR

No.	979-A	979-B	979-D	979-E	979-F
Size of Tube 3/8" I. P.	1" O. D.	1 1/4" O. D.	1 3/8" O. D.	1 1/2" O. D.	
Per Dozen	\$2.20	\$2.20	\$2.40	\$2.80	\$3.00



Specify Outside Diameter of Collar required.

FEMALE BUSHING



No.	981-B	981-D	981-E	981-F	981-G	981-H
Size	1 1/4"	1 3/8"	1 1/2"	1 1/2"	2"	2"
Tapped	1"	1 1/4"	1 3/8"	1 3/8"	1 3/8"	1 1/2"
Per Dozen	\$3.80	\$4.00	\$4.00	\$4.00	\$7.00	\$7.00

SHOULDER COLLAR

FOR FINE THREAD

No.	983-B	983-D	983-E	983-F
Size	1"	1 1/4"	1 3/8"	1 1/2"
Per Dozen	\$2.40	\$2.60	\$3.00	\$3.20



Specify Diameter of "A" and "B"

SHOULDER COLLAR



FOR SOLDER JOINT

No.	985-D	985-E	985-F
Size	1 1/4"	1 3/8"	1 1/2"
Per Dozen	\$2.00	\$2.40	\$3.00

COUPLING—WITH SLIP JOINT

No.	987-D	987-F	987-H
Tapped	1 1/4"	1 1/2"	1 3/8"
Slip Joint	1 1/4"	1 1/4"	1 1/2"
Per Dozen	\$8.40	\$9.60	\$9.60



Wolverine Slip Joint Fittings

BRASS—NICKELED

FOR TUBING



90° ELBOW WITH FINE THREAD



Number	990-D	990-F	990-H
Tapped	1 1/4"	1 1/2"	1 1/2"
Slip Joint	1 1/4"	1 1/4"	1 1/2"
Per Dozen	\$8.40	\$9.60	\$9.60

45° ELBOW WITH FINE THREAD

Number	992-D	992-F	992-H
Tapped	1 1/4"	1 1/2"	1 1/2"
Slip Joint	1 1/4"	1 1/4"	1 1/2"
Per Dozen	\$8.40	\$9.60	\$9.60



DOUBLE SLIP JOINT

90° ELBOW



Number	994-D	994-E	994-F
Size	1 1/4"	1 3/8"	1 1/2"
Per Dozen	\$10.80	\$14.40	\$14.40

45° ELBOW

Number	996-D	996-E	996-F
Size	1 1/4"	1 3/8"	1 1/2"
Per Dozen	\$10.80	\$14.40	\$14.40





Wolverine Slip Joint Fittings

BRASS—NICKELED

FOR TUBING

SANITARY TEE



FINE THREAD BOTTOM

Number	1000-D	1000-F	1000-H	1000-J	1000-L
Tapped	1 1/4"	1 1/2"	1 3/4"	1 1/2"	1 1/2"
Slip Joint Top	1 1/4"	1 1/4"	1 1/4"	1 1/2"	1 1/2"
Slip Joint Side	1 1/4"	1 1/4"	1 1/2"	1 1/4"	1 1/2"
Per Dozen	\$10.80	\$14.40	\$14.40	\$14.40	\$14.40

SANITARY TEE

FINE THREAD BOTTOM AND TOP

Number	1002-D	1002-J	1002-L
Tapped	1 1/4"	1 1/2"	1 1/2"
Tapped	1 1/4"	1 1/2"	1 1/2"
Slip Joint Side	1 1/4"	1 1/4"	1 1/2"
Per Dozen	\$9.60	\$11.70	\$11.70



SANITARY TEE



FINE THREAD BOTTOM AND SIDE

Number	1004-D	1004-J	1004-K	1004-L
Tapped	1 1/4"	1 1/2"	1 1/2"	1 1/2"
Slip Joint	1 1/4"	1 1/2"	1 1/4"	1 1/2"
Tapped	1 1/4"	1 1/4"	1 1/4"	1 1/2"
Per Dozen	\$9.60	\$11.70	\$11.70	\$11.70

Wolverine Slip Joint Fittings

BRASS—NICKELED

FOR TUBING



TEES



No.	1006-D	1006-E	1006-F
Size	1 1/4"	1 3/8"	1 1/2"
Per Dozen . .	\$12.00	\$14.40	\$16.80

SANITARY CROSSES

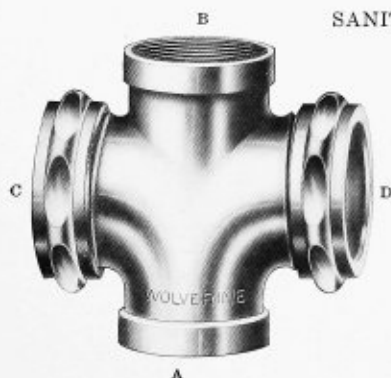
FINE THREAD BOTTOM

No.	1008-D	1008-F	1008-H	1008-J
A-Tapped . . .	1 1/4"	1 1/2"	1 1/2"	1 1/2"
B-Slip Joint . .	1 1/4"	1 1/4"	1 1/4"	1 1/2"
C-Slip Joint . .	1 1/4"	1 1/4"	1 1/2"	1 1/2"
D-Slip Joint . .	1 1/4"	1 1/4"	1 1/2"	1 1/2"
Per Dozen . .	\$23.40	\$29.40	\$29.40	\$29.40



SANITARY CROSSES

FINE THREAD BOTTOM AND TOP



No.	1010-D	1010-F	1010-H	1010-J
A-Tapped . . .	1 1/4"	1 1/2"	1 1/2"	1 1/2"
B-Tapped . . .	1 1/4"	1 1/4"	1 1/4"	1 1/2"
C-Slip Joint . .	1 1/4"	1 1/4"	1 1/2"	1 1/2"
D-Slip Joint . .	1 1/4"	1 1/4"	1 1/2"	1 1/2"
Per Dozen . .	\$21.00	\$27.00	\$27.00	\$27.00

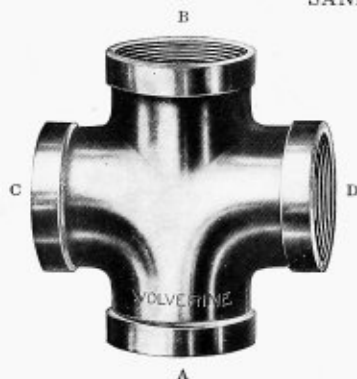


Wolverine Fine Thread Fittings

BRASS—NICKELED

FOR TUBING

SANITARY CROSSES



No.	1012-D	1012-F	1012-H	1012-J
A-Tapped . . .	1 1/4"	1 1/2"	1 1/2"	1 1/2"
B-Tapped . . .	1 1/4"	1 1/4"	1 1/4"	1 1/2"
C-Tapped . . .	1 1/4"	1 1/4"	1 1/2"	1 1/2"
D-Tapped . . .	1 1/4"	1 1/4"	1 1/2"	1 1/2"
Per Dozen . . .	\$13.20	\$19.20	\$19.20	\$19.20

CAST IRON FERRULES

To call into 2-inch Soil Pipe with fine thread for tubing and Iron Pipe size

TAPPED FINE THREAD

No.	1015-D	1015-E	1015-F	1015-H
Size	1 1/4"	1 3/8"	1 1/2"	2"
Per Dozen . . .	\$4.80	\$4.80	\$4.80	\$4.80

TAPPED IRON PIPE THREAD

No.	1016-D	1016-F
Size	1 1/4"	1 1/2"
Per Dozen	\$4.80	\$4.80



Drive Ferrule

CAST IRON



Number	Size	Length	Each
1018	4"	2 1/2"	\$0.16

Carefully finished smooth cast iron and is economical and convenient for driving either into 4-inch Lead Bends or Straight Lead Soil Pipe.



Wolverine Ferrules

CAST BRASS—RED METAL.

STRAIGHT



Number	1020-B	1020-D	1020-F	1020-H	1020-J
Calk	2"	2"	2"	4"	4"
Wipe	1½"	2"	2"	4"	4"
Length	4"	4"	4½"	4"	5"
Each	\$0.85	\$0.85	\$1.00	\$1.75	\$2.00

WITH HUB FOR X. H. SOIL PIPE



Number	1022-B	1022-D	1022-F	1022-H	1022-J
Calk	2"	2"	2"	4"	4"
Wipe	1¼"	1½"	2"	4"	4"
Length	4½"	4½"	5"	5"	5"
Each	\$0.95	\$1.00	\$1.40	\$2.20	\$3.30

Note:—No. 1022-J is extra heavy.

45° WITH HUB

FOR X. H. SOIL PIPE



Number	1024-F	1024-H
Calk	2"	4"
Wipe	2"	4"
Each	\$1.50	\$3.40

BRANCH WITH HUB

FOR X. H. SOIL PIPE



Number	1025-H	1026-H
Calk	4"	4"
Wipe	1½"x4"	1½"x1½"x4"
Length	9"	9"
Each	\$6.40	\$7.00

NOTE—All Hubbed Ferrules are machined both inside and outside, insuring correct diameters, round opening and easy wiping.



Plumbers' Fine Thread Fittings

BRASS—NICKELED

BEADED PATTERN



Number	Article	Size	Each
1030-B	Elbows	$\frac{5}{8}$ "	\$0.62
1030-C	"	$\frac{3}{4}$ "	.84
1034-B	Elbows, Reducing	$\frac{3}{8}$ " I. P. x $\frac{5}{8}$ " F. T.	.82
1034-D	"	$\frac{3}{8}$ " I. P. x $\frac{3}{4}$ " F. T.	1.08
1034-F	"	$\frac{1}{2}$ " I. P. x $\frac{5}{8}$ " F. T.	1.08
1034-H	"	$\frac{1}{2}$ " I. P. x $\frac{3}{4}$ " F. T.	1.08
1034-J	"	$\frac{3}{4}$ " I. P. x $\frac{5}{8}$ " F. T.	1.08
1034-L	"	$\frac{3}{4}$ " I. P. x $\frac{3}{4}$ " F. T.	1.49
1035-B	Elbows, 45°	$\frac{5}{8}$ "	.84
1035-C	" 45°	$\frac{3}{4}$ "	.96
1036-B	Elbows, Drop	$\frac{5}{8}$ "	1.01
1036-C	"	$\frac{3}{4}$ "	1.34
1036-E	"	$\frac{1}{2}$ " I. P. x $\frac{5}{8}$ " F. T.	1.20
1036-G	"	$\frac{1}{2}$ " I. P. x $\frac{3}{4}$ " F. T.	1.58
1038-B	Tees	$\frac{5}{8}$ "	.72
1038-C	"	$\frac{3}{4}$ "	.96
1040-B	Tees, Reducing	$\frac{3}{8}$ " I. P. x $\frac{5}{8}$ " F. T.	.96
1040-D	"	$\frac{3}{8}$ " I. P. x $\frac{3}{4}$ " F. T.	1.20
1040-F	"	$\frac{1}{2}$ " I. P. x $\frac{5}{8}$ " F. T.	1.20
1040-H	"	$\frac{1}{2}$ " I. P. x $\frac{3}{4}$ " F. T.	1.20
1040-J	"	$\frac{3}{4}$ " I. P. x $\frac{3}{4}$ " F. T.	1.68
1040-L	"	$\frac{1}{2}$ " I. P. x $\frac{3}{4}$ " F. T. x $\frac{3}{4}$ " F. T.	1.20
1040-N	"	$\frac{3}{4}$ " F. T. x $\frac{1}{2}$ " I. P. x $\frac{3}{4}$ " F. T.	1.20
1042-B	Tees, Drop	$\frac{5}{8}$ "	1.20
1042-C	"	$\frac{3}{4}$ "	1.44
1044-B	Tees, Drop, Reducing	$\frac{1}{2}$ " I. P. x $\frac{5}{8}$ " F. T.	1.44
1044-D	"	$\frac{1}{2}$ " I. P. x $\frac{3}{4}$ " F. T.	1.68
1046-B	Couplings	$\frac{5}{8}$ "	.48
1046-C	"	$\frac{3}{4}$ "	.60
1047-B	Couplings, R & L	$\frac{5}{8}$ "	.60
1047-C	"	$\frac{3}{4}$ "	.72
1048-B	Couplings, Reducing	$\frac{1}{2}$ " I. P. x $\frac{5}{8}$ " F. T.	.60
1048-D	"	$\frac{1}{2}$ " I. P. x $\frac{3}{4}$ " F. T.	.72
1048-F	"	$\frac{3}{4}$ " I. P. x $\frac{3}{4}$ " F. T.	1.08
1050-B	Plugs	$\frac{5}{8}$ "	.48
1050-C	"	$\frac{3}{4}$ "	.60
1052-B	Caps, Acorn	$\frac{5}{8}$ "	.48
1052-C	"	$\frac{3}{4}$ "	.60
1054-B	Bushings, Hex	$\frac{1}{2}$ " I. P. x $\frac{5}{8}$ " F. T.	.48
1054-D	"	$\frac{3}{4}$ " I. P. x $\frac{3}{4}$ " F. T.	.72
1056-B	Return Bends, Med.	$\frac{5}{8}$ "	1.82
1056-C	"	$\frac{3}{4}$ "	2.06
1058-B	Unions, Machined	$\frac{5}{8}$ "	1.32
1058-C	"	$\frac{3}{4}$ "	1.80
1059-B	Unions, Reducing	$\frac{1}{2}$ " I. P. x $\frac{3}{4}$ " F. T.	2.04
1061-B	Nipples, Close	$\frac{5}{8}$ " x $\frac{7}{8}$ " Long.	.48
1061-C	"	$\frac{3}{4}$ " x $1\frac{1}{8}$ " Long.	.60
1062-B	Nipples, Short	$\frac{5}{8}$ " x $1\frac{1}{8}$ " Long.	.48
1062-F	"	$\frac{3}{4}$ " x $1\frac{1}{4}$ " Long.	.60

Number	Size	LONG NIPPLES					
		Length					
1065	$\frac{5}{8}$ "	Each	1 $\frac{1}{2}$ " \$0.60	2" \$0.72	2 $\frac{1}{2}$ " \$0.72	3" \$0.72	3 $\frac{1}{2}$ " \$0.84
1066	$\frac{3}{4}$ "	Each	.72	.84	.84	.84	.98

SEE REVISED LIST

Revised Standard Price List

Adopted January 1st, 1915

Supplemental to Catalogue "H"

Brass Fittings

—— *Malleable Pattern* ——

Tested and Guaranteed

...BY...

Wolverine Brass Works

MANUFACTURERS

Grand Rapids, Michigan

U. S. A.

Plumbers' Fine Thread Fittings

BRASS—NICKELED

BEADED PATTERN



Number	Article	Size	Each
1030-B	Elbows	5/8"	\$0.53
1030-C	"	3/4"	.65
1034-B	Elbows, Reducing	3/8" I. P. x 5/8" F. T.	.65
1034-D	"	3/8" I. P. x 3/4" F. T.	.82
1034-F	"	1 1/2" I. P. x 5/8" F. T.	.82
1034-H	"	1 1/2" I. P. x 3/4" F. T.	.82
1034-J	"	3/4" I. P. x 5/8" F. T.	1.10
1034-L	"	3/4" I. P. x 3/4" F. T.	1.10
1035-B	Elbows, 45°	5/8"	.65
1035-C	" 45°	3/4"	.78
1036-B	Elbows, Drop	5/8"	1.00
1036-C	"	3/4"	1.25
1036-E	"	1 1/2" I. P. x 5/8" F. T.	1.25
1036-G	"	1 1/2" I. P. x 3/4" F. T.	1.25
1038-B	Tees	5/8"	.75
1038-C	"	3/4"	.93
1040-B	Tees, Reducing	3/8" I. P. x 5/8" F. T.	.90
1040-D	"	3/8" I. P. x 3/4" F. T.	1.15
1040-F	"	1 1/2" I. P. x 5/8" F. T.	1.15
1040-H	"	1 1/2" I. P. x 3/4" F. T.	1.15
1040-J	"	3/4" I. P. x 5/8" F. T.	1.50
1040-L	"	1 1/2" I. P. x 3/4" F. T. x 3/4" F. T.	1.15
1040-N	"	3/4" F. T. x 1 1/2" I. P. x 3/4" F. T.	1.15
1042-B	Tees, Drop	5/8"	1.35
1042-C	"	3/4"	1.60
1044-B	Tees, Drop, Reducing	1 1/2" I. P. x 5/8" F. T.	1.60
1044-D	"	1 1/2" I. P. x 3/4" F. T.	1.60
1046-B	Couplings	5/8"	.42
1046-C	"	3/4"	.53
1047-B	Couplings, R & L	5/8"	.55
1047-C	"	3/4"	.67
1048-B	Couplings, Reducing	1 1/2" I. P. x 5/8" F. T.	.65
1048-D	"	1 1/2" I. P. x 3/4" F. T.	.65
1048-F	"	3/4" I. P. x 3/4" F. T.	.87
1050-B	Plugs	5/8"	.45
1050-C	"	3/4"	.52
1052-B	Caps, Acorn	5/8"	.50
1052-C	"	3/4"	.60
1054-B	Bushings, Hex	1 1/2" I. P. x 5/8" F. T.	.42
1054-D	"	3/4" I. P. x 3/4" F. T.	.55
1056-B	Return Bends, Med.	5/8"	1.60
1056-C	"	3/4"	1.95
1058-B	Unions, Machined	5/8"	1.00
1058-C	"	3/4"	1.25
1059-B	Unions, Reducing	1 1/2" I. P. x 3/4" F. T.	1.25
1061-B	Nipples, Close	5/8" x 7/8" Long.	.29
1061-C	"	3/4" x 1 1/8" Long.	.32
1062-B	Nipples, Short	5/8" x 1 1/8" Long.	.29
1062-F	"	3/4" x 1 1/4" Long.	.32

LONG NIPPLES

Number	Size	Length	Each
1065	5/8"	1 1/2"	\$0.33
1066	3/4"	2"	\$0.39
		2 1/2"	\$0.44
		3"	\$0.48
		3 1/2"	\$0.53
		4"	\$0.57



Plumbers' Fine Thread Fittings

ROUGH BRASS

BEADED PATTERN



Number	Article	Size	Each
1030-BR	Elbows	$\frac{5}{8}$ "	\$0.20
1030-CR	"	$\frac{3}{4}$ "	.28
1034-BR	Elbows, Reducing	$\frac{3}{8}$ " I. P. x $\frac{5}{8}$ " F. T.	.25
1034-DR	"	$\frac{3}{8}$ " I. P. x $\frac{3}{4}$ " F. T.	.35
1034-FR	"	$\frac{1}{2}$ " I. P. x $\frac{5}{8}$ " F. T.	.35
1034-HR	"	$\frac{1}{2}$ " I. P. x $\frac{3}{4}$ " F. T.	.35
1034-JR	"	$\frac{3}{4}$ " I. P. x $\frac{5}{8}$ " F. T.	.50
1034-LR	"	$\frac{3}{4}$ " I. P. x $\frac{3}{4}$ " F. T.	.50
1035-BR	Elbows, 45°	$\frac{5}{8}$ "	.25
1035-CR	" 45°	$\frac{3}{4}$ "	.31
1036-BR	Elbows, Drop	$\frac{5}{8}$ "	.35
1036-CR	"	$\frac{3}{4}$ "	.45
1036-ER	"	$\frac{1}{2}$ " I. P. x $\frac{5}{8}$ " F. T.	.45
1036-GR	"	$\frac{1}{2}$ " I. P. x $\frac{3}{4}$ " F. T.	.45
1038-BR	Tees	$\frac{5}{8}$ "	.28
1038-CR	"	$\frac{3}{4}$ "	.40
1040-BR	Tees, Reducing	$\frac{3}{8}$ " I. P. x $\frac{5}{8}$ " F. T.	.35
1040-DR	"	$\frac{3}{8}$ " I. P. x $\frac{3}{4}$ " F. T.	.50
1040-FR	"	$\frac{1}{2}$ " I. P. x $\frac{5}{8}$ " F. T.	.50
1040-HR	"	$\frac{1}{2}$ " I. P. x $\frac{3}{4}$ " F. T.	.50
1040-JR	"	$\frac{3}{4}$ " I. P. x $\frac{3}{4}$ " F. T.	.70
1040-LR	"	$\frac{1}{2}$ " I. P. x $\frac{3}{4}$ " F. T. x $\frac{3}{4}$ " F. T.	.50
1040-NR	"	$\frac{3}{4}$ " F. T. x $\frac{1}{2}$ " I. P. x $\frac{3}{4}$ " F. T.	.50
1042-BR	Tees, Drop	$\frac{5}{8}$ "	.45
1042-CR	"	$\frac{3}{4}$ "	.57
1044-BR	Tees, Drop, Reducing	$\frac{1}{2}$ " I. P. x $\frac{5}{8}$ " F. T.	.57
1044-DR	"	$\frac{1}{2}$ " I. P. x $\frac{3}{4}$ " F. T.	.57
1046-BR	Couplings	$\frac{5}{8}$ "	.17
1046-CR	"	$\frac{3}{4}$ "	.25
1047-BR	Couplings, R & L	$\frac{5}{8}$ "	.22
1047-CR	"	$\frac{3}{4}$ "	.30
1048-BR	Couplings, Reducing	$\frac{1}{2}$ " I. P. x $\frac{5}{8}$ " F. T.	.28
1048-DR	"	$\frac{1}{2}$ " I. P. x $\frac{3}{4}$ " F. T.	.28
1048-FR	"	$\frac{3}{4}$ " I. P. x $\frac{3}{4}$ " F. T.	.40
1050-BR	Plugs	$\frac{5}{8}$ "	.12
1050-CR	"	$\frac{3}{4}$ "	.15
1052-BR	Caps, Acorn	$\frac{5}{8}$ "	.20
1052-CR	"	$\frac{3}{4}$ "	.25
1054-BR	Bushings, Hex	$\frac{1}{2}$ " I. P. x $\frac{5}{8}$ " F. T.	.15
1054-DR	"	$\frac{3}{4}$ " I. P. x $\frac{3}{4}$ " F. T.	.22
1056-BR	Return Bends, Med.	$\frac{5}{8}$ "	.60
1056-CR	"	$\frac{3}{4}$ "	.80
1058-BR	Unions, Machined	$\frac{5}{8}$ "	.75
1058-CR	"	$\frac{3}{4}$ "	.95
1059-BR	Unions, Reducing	$\frac{1}{2}$ " I. P. x $\frac{3}{4}$ " F. T.	.95
1061-BR	Nipples, Close	$\frac{5}{8}$ " x $\frac{3}{8}$ " Long	.19
1061-CR	"	$\frac{3}{4}$ " x $1\frac{1}{8}$ " Long	.21
1062-BR	Nipples, Short	$\frac{5}{8}$ " x $1\frac{1}{8}$ " Long	.19
1062-CR	"	$\frac{3}{4}$ " x $1\frac{1}{4}$ " Long	.21

LONG NIPPLES

Length

Number	Size	Each	$1\frac{1}{8}$ "	2"	$2\frac{1}{2}$ "	3"	$3\frac{1}{4}$ "	4"
1065-R	$\frac{5}{8}$ "	Each	\$0.22	\$0.26	\$0.29	\$0.32	\$0.35	\$0.38
1066-R	$\frac{3}{4}$ "	Each	.24	.28	.31	.35	.38	.42

Wolverine Brass Fittings

STANDARD IRON PIPE THREADS

90° ELBOWS



NICKEL PLATED						
No.	1081	1082	1083	1084	1085	1086
Size	1/8"	1/4"	3/8"	1/2"	3/4"	1"
Each	\$0.36	\$0.42	\$0.53	\$0.65	\$0.87	\$1.25
POLISHED						
No.	1081P	1082P	1083P	1084P	1085P	1086P
Size	1/8"	1/4"	3/8"	1/2"	3/4"	1"
Each	\$0.30	\$0.35	\$0.45	\$0.56	\$0.75	\$1.10
ROUGH						
No.	1081R	1082R	1083R	1084R	1085R	1086R
Size	1/8"	1/4"	3/8"	1/2"	3/4"	1"
Each	\$0.12	\$0.15	\$0.20	\$0.28	\$0.40	\$0.63

REDUCING ELBOWS

NICKEL PLATED					
No.	1107	1108	1109	1110	1111
Size	1/4" x 1/8"	3/8" x 1/4"	3/8" x 1/8"	1/2" x 3/8"	3/4" x 1/2"
Each	\$0.52	\$0.65	\$0.65	\$0.82	\$1.10
POLISHED					
No.	1107P	1108P	1109P	1110P	1111P
Size	1/4" x 1/8"	3/8" x 1/4"	3/8" x 1/8"	1/2" x 3/8"	3/4" x 1/2"
Each	\$0.44	\$0.55	\$0.55	\$0.70	\$0.95
ROUGH					
No.	1107R	1108R	1109R	1110R	1111R
Size	1/4" x 1/8"	3/8" x 1/4"	3/8" x 1/8"	1/2" x 3/8"	3/4" x 1/2"
Each	\$0.19	\$0.25	\$0.25	\$0.35	\$0.50



45° RED. ELBOWS

45° ELBOWS



NICKEL PLATED				
No.	1132	1133	1134	1135
Size	1/4"	3/8"	1/2"	3/4"
Each	\$0.53	\$0.65	\$0.78	\$1.00
				1145
				1/2" x 3/8"
				\$1.14
POLISHED				
No.	1132P	1133P	1134P	1135P
Size	1/4"	3/8"	1/2"	3/4"
Each	\$0.45	\$0.55	\$0.66	\$0.85
				1145P
				1/2" x 3/8"
				\$0.95
ROUGH				
No.	1132R	1133R	1134R	1135R
Size	1/4"	3/8"	1/2"	3/4"
Each	\$0.20	\$0.25	\$0.31	\$0.40
				1145R
				1/2" x 3/8"
				\$0.45

STREET ELBOWS

NICKEL PLATED				
No.	1156	1157	1158	1159
Size	1/8"	1/4"	3/8"	1/2"
Each	\$0.54	\$0.60	\$0.73	\$0.95
				1160
				3/4"
				\$1.23
POLISHED				
No.	1156P	1157P	1158P	1159P
Size	1/8"	1/4"	3/8"	1/2"
Each	\$0.47	\$0.52	\$0.63	\$0.83
				1160P
				3/4"
				\$1.08
ROUGH				
No.	1156R	1157R	1158R	1159R
Size	1/8"	1/4"	3/8"	1/2"
Each	\$0.25	\$0.27	\$0.33	\$0.48
				1160R
				3/4"
				\$0.63



Wolverine Brass Fittings

STANDARD IRON PIPE THREADS

DROP ELBOWS



NICKEL PLATED
No. . 1170 1171
Size . $\frac{3}{8}$ " $\frac{1}{2}$ "
Each \$1.00 \$1.25

POLISHED
No. . 1170P 1171P
Size . $\frac{3}{8}$ " $\frac{1}{2}$ "
Each \$0.85 \$1.05

ROUGH
No. . 1170R 1171R
Size . $\frac{3}{8}$ " $\frac{1}{2}$ "
Each \$0.35 \$0.45

TEES

NICKEL PLATED
No. . . 1183 1184 1185 1186 1187 1188
Size . . . $\frac{1}{4}$ " $\frac{3}{8}$ " $\frac{1}{2}$ " $\frac{3}{4}$ " 1"
Each . . . \$0.50 \$0.58 \$0.75 \$0.93 \$1.22 \$1.70

POLISHED
No. . . 1183P 1184P 1185P 1186P 1187P 1188P
Size . . . $\frac{1}{4}$ " $\frac{3}{8}$ " $\frac{1}{2}$ " $\frac{3}{4}$ " 1"
Each . . . \$0.42 \$0.49 \$0.63 \$0.80 \$1.05 \$1.50

ROUGH
No. . . 1183R 1184R 1185R 1186R 1187R 1188R
Size . . . $\frac{1}{4}$ " $\frac{3}{8}$ " $\frac{1}{2}$ " $\frac{3}{4}$ " 1"
Each . . . \$0.17 \$0.21 \$0.28 \$0.40 \$0.55 \$0.85



REDUCING TEES



NICKEL PLATED
No. . . 1210 1211 1212 1213 1214 1215 1216
Bottom . . $\frac{3}{8}$ " $\frac{1}{2}$ " $\frac{1}{2}$ " $\frac{1}{2}$ " $\frac{1}{2}$ " $\frac{3}{4}$ " $\frac{3}{4}$ "
Top . . . $\frac{3}{8}$ " $\frac{1}{4}$ " $\frac{1}{2}$ " $\frac{3}{8}$ " $\frac{3}{8}$ " $\frac{1}{2}$ " $\frac{3}{4}$ "
Side . . . $\frac{1}{4}$ " $\frac{3}{8}$ " $\frac{3}{8}$ " $\frac{1}{2}$ " $\frac{3}{8}$ " $\frac{3}{4}$ " $\frac{1}{2}$ "
Each . . . \$0.90 \$0.90 \$1.15 \$1.15 \$1.15 \$1.50 \$1.50

POLISHED
No. . . 1210P 1211P 1212P 1213P 1214P 1215P 1216P
Bottom . . $\frac{3}{8}$ " $\frac{3}{8}$ " $\frac{1}{2}$ " $\frac{1}{2}$ " $\frac{1}{2}$ " $\frac{3}{4}$ " $\frac{3}{4}$ "
Top . . . $\frac{3}{8}$ " $\frac{1}{4}$ " $\frac{1}{2}$ " $\frac{3}{8}$ " $\frac{3}{8}$ " $\frac{1}{2}$ " $\frac{3}{4}$ "
Side . . . $\frac{1}{4}$ " $\frac{3}{8}$ " $\frac{3}{8}$ " $\frac{1}{2}$ " $\frac{3}{8}$ " $\frac{3}{4}$ " $\frac{1}{2}$ "
Each . . . \$0.77 \$0.77 \$1.00 \$1.00 \$1.00 \$1.30 \$1.30

ROUGH
No. . . 1210R 1211R 1212R 1213R 1214R 1215R 1216R
Bottom . . $\frac{3}{8}$ " $\frac{3}{8}$ " $\frac{1}{2}$ " $\frac{1}{2}$ " $\frac{1}{2}$ " $\frac{3}{4}$ " $\frac{3}{4}$ "
Top . . . $\frac{3}{8}$ " $\frac{1}{4}$ " $\frac{1}{2}$ " $\frac{3}{8}$ " $\frac{3}{8}$ " $\frac{1}{2}$ " $\frac{3}{4}$ "
Side . . . $\frac{1}{4}$ " $\frac{3}{8}$ " $\frac{3}{8}$ " $\frac{1}{2}$ " $\frac{3}{8}$ " $\frac{3}{4}$ " $\frac{1}{2}$ "
Each . . . \$0.35 \$0.35 \$0.50 \$0.50 \$0.50 \$0.70 \$0.70

DROP TEES

NICKEL PLATED
No. . 1250 1251
Size . $\frac{3}{8}$ " $\frac{1}{2}$ "
Each \$1.33 \$1.62

POLISHED
No. . 1250P 1251P
Size . $\frac{3}{8}$ " $\frac{1}{2}$ "
Each \$1.13 \$1.37

ROUGH
No. . 1250R 1251R
Size . $\frac{3}{8}$ " $\frac{1}{2}$ "
Each \$0.43 \$0.57



Wolverine Brass Fittings

STANDARD IRON PIPE THREADS

GROUND JOINT UNIONS



NICKEL PLATED					
No.	1271	1272	1273	1274	1275
Size	$\frac{1}{8}$ "	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "
Each	\$0.60	\$0.72	\$1.02	\$1.25	\$1.68
POLISHED					
No.	1271P	1272P	1273P	1274P	1275P
Size	$\frac{1}{8}$ "	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "
Each	\$0.50	\$0.60	\$0.85	\$1.05	\$1.40
MACHINE FINISHED					
No.	1271R	1272R	1273R	1274R	1275R
Size	$\frac{1}{8}$ "	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "
Each	\$0.45	\$0.55	\$0.75	\$0.95	\$1.30

AIR CHAMBER TEES

FOR BASIN AND BATH SUPPLIES.

NICKEL PLATED

No.	1280	1281
Size	$\frac{3}{8}$ "	$\frac{1}{2}$ "
Each	\$1.75	\$2.25



MEDIUM PATTERN RETURN BENDS



NICKEL PLATED		POLISHED	ROUGH
No.	1290	1290P	1290R
Size	$\frac{1}{2}$ "	$\frac{1}{2}$ "	$\frac{1}{2}$ "
Each	\$1.95	\$1.65	\$0.80

COUPLINGS

NICKEL PLATED					
No.	1298	1299	1300	1301	1302
Size	$\frac{1}{4}$ "	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "
Each	\$0.29	\$0.33	\$0.42	\$0.53	\$0.72
POLISHED					
No.	1298P	1299P	1300P	1301P	1302P
Size	$\frac{1}{4}$ "	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "
Each	\$0.24	\$0.28	\$0.36	\$0.46	\$0.63
ROUGH					
No.	1298R	1299R	1300R	1301R	1302R
Size	$\frac{1}{4}$ "	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "
Each	\$0.10	\$0.13	\$0.17	\$0.25	\$0.37



Wolverine Brass Fittings

STANDARD IRON PIPE THREADS

REDUCING COUPLINGS



		NICKEL PLATED			
No.	1325	1326	1327	1328	1329
Size	$\frac{1}{4}$ " x $\frac{1}{8}$ "	$\frac{3}{8}$ " x $\frac{1}{4}$ "	$\frac{1}{2}$ " x $\frac{3}{8}$ "	$\frac{3}{4}$ " x $\frac{1}{2}$ "	1" x $\frac{3}{4}$ "
Each	\$0.42	\$0.53	\$0.65	\$0.87	\$1.20
		POLISHED			
No.	1325P	1326P	1327P	1328P	1329P
Size	$\frac{1}{4}$ " x $\frac{1}{8}$ "	$\frac{3}{8}$ " x $\frac{1}{4}$ "	$\frac{1}{2}$ " x $\frac{3}{8}$ "	$\frac{3}{4}$ " x $\frac{1}{2}$ "	1" x $\frac{3}{4}$ "
Each	\$0.35	\$0.45	\$0.56	\$0.75	\$1.05
		ROUGH			
No.	1325R	1326R	1327R	1328R	1329R
Size	$\frac{1}{4}$ " x $\frac{1}{8}$ "	$\frac{3}{8}$ " x $\frac{1}{4}$ "	$\frac{1}{2}$ " x $\frac{3}{8}$ "	$\frac{3}{4}$ " x $\frac{1}{2}$ "	1" x $\frac{3}{4}$ "
Each	\$0.15	\$0.20	\$0.28	\$0.40	\$0.60

FLOOR FLANGES

NICKEL PLATED				
No.	1355	1356	1357	1358
Size	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "
Each	\$0.82	\$0.89	\$0.96	\$1.30
POLISHED				
No.	1355P	1356P	1357P	1358P
Size	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "
Each	\$0.68	\$0.74	\$0.80	\$1.08
MACHINE FINISHED				
No.	1355R	1356R	1357R	1358R
Size	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "
Each	\$0.50	\$0.57	\$0.62	\$0.80



ACORN CAPS



NICKEL PLATED			POLISHED		ROUGH	
No.	1379	1380	1379P	1380P	1379R	1380R
Size	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "
Each	\$0.48	\$0.60	\$0.40	\$0.50	\$0.20	\$0.25

PLAIN CAPS

NICKEL PLATED				
No.	1396	1397	1398	1399
Size	$\frac{1}{8}$ "	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "
Each	\$0.23	\$0.29	\$0.36	\$0.47
POLISHED				
No.	1396P	1397P	1398P	1399P
Size	$\frac{1}{8}$ "	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "
Each	\$0.20	\$0.25	\$0.31	\$0.40
ROUGH				
No.	1396R	1397R	1398R	1399R
Size	$\frac{1}{8}$ "	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "
Each	\$0.10	\$0.13	\$0.16	\$0.20



Wolverine Brass Fittings

STANDARD IRON PIPE THREADS

PLUGS



		NICKEL PLATED			
No.	1423	1424	1425	1426	1427
Size	$\frac{1}{8}$ "	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "
Each	\$0.28	\$0.37	\$0.45	\$0.52	\$0.67
		POLISHED			
No.	1423P	1424P	1425P	1426P	1427P
Size	$\frac{1}{8}$ "	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "
Each	\$0.23	\$0.30	\$0.37	\$0.43	\$0.55
		ROUGH			
No.	1423R	1424R	1425R	1426R	1427R
Size	$\frac{1}{8}$ "	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "
Each	\$0.08	\$0.10	\$0.12	\$0.15	\$0.20

BUSHINGS

NICKEL PLATED									
No.	1450	1451	1452	1453	1454	1455	1456	1457	1458
Size	$\frac{1}{4} \times \frac{1}{4}$	$\frac{3}{8} \times \frac{1}{4}$	$\frac{3}{8} \times \frac{3}{8}$	$\frac{1}{2} \times \frac{3}{8}$	$\frac{1}{2} \times \frac{1}{4}$	$\frac{3}{4} \times \frac{1}{2}$	$\frac{3}{4} \times \frac{3}{8}$	$1 \times \frac{3}{4}$	$1 \times \frac{1}{2}$
Each	\$0.26	\$0.32	\$0.32	\$0.42	\$0.42	\$0.55	\$0.55	\$0.82	\$0.82
POLISHED									
No.	1450P	1451P	1452P	1453P	1454P	1455P	1456P	1457P	1458P
Size	$\frac{1}{4} \times \frac{1}{4}$	$\frac{3}{8} \times \frac{1}{4}$	$\frac{3}{8} \times \frac{3}{8}$	$\frac{1}{2} \times \frac{3}{8}$	$\frac{1}{2} \times \frac{1}{4}$	$\frac{3}{4} \times \frac{1}{2}$	$\frac{3}{4} \times \frac{3}{8}$	$1 \times \frac{3}{4}$	$1 \times \frac{1}{2}$
Each	\$0.22	\$0.27	\$0.27	\$0.35	\$0.35	\$0.47	\$0.47	\$0.70	\$0.70
ROUGH									
No.	1450R	1451R	1452R	1453R	1454R	1455R	1456R	1457R	1458R
Size	$\frac{1}{4} \times \frac{1}{4}$	$\frac{3}{8} \times \frac{1}{4}$	$\frac{3}{8} \times \frac{3}{8}$	$\frac{1}{2} \times \frac{3}{8}$	$\frac{1}{2} \times \frac{1}{4}$	$\frac{3}{4} \times \frac{1}{2}$	$\frac{3}{4} \times \frac{3}{8}$	$1 \times \frac{3}{4}$	$1 \times \frac{1}{2}$
Each	\$0.10	\$0.12	\$0.12	\$0.15	\$0.15	\$0.22	\$0.22	\$0.35	\$0.35



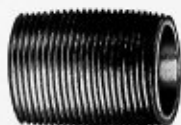
LOCK NUTS



		NICKEL PLATED			
No.	1490	1491	1492	1493	1494
Size	$\frac{1}{8}$ "	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "
Each	\$0.29	\$0.30	\$0.39	\$0.48	\$0.60
		POLISHED			
No.	1490P	1491P	1492P	1493P	1494P
Size	$\frac{1}{8}$ "	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "
Each	\$0.24	\$0.25	\$0.32	\$0.40	\$0.50
		ROUGH			
No.	1490R	1491R	1492R	1493R	1494R
Size	$\frac{1}{8}$ "	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "
Each	\$0.10	\$0.10	\$0.12	\$0.15	\$0.20

CLOSE NIPPLES

WHITE NICKEL PLATED					
No.	1528	1529	1530	1531	1532
Size	$\frac{1}{8}$ "	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "
Each	\$0.13	\$0.16	\$0.18	\$0.28	\$0.45
MACHINE FINISHED					
No.	1528R	1529R	1530R	1531R	1532R
Size	$\frac{1}{8}$ "	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "
Each	\$0.11	\$0.13	\$0.15	\$0.23	\$0.37



Wolverine Brass Fittings

STANDARD IRON PIPE THREADS

SHOULDER NIPPLES

NICKEL PLATED

No.	1546	1547	1548	1549	1550
Size	$\frac{1}{8}$ "	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "
Each	\$0.17	\$0.20	\$0.23	\$0.35	\$0.42

POLISHED

No.	1546P	1547P	1548P	1549P	1550P
Size	$\frac{1}{8}$ "	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "
Each	\$0.14	\$0.17	\$0.19	\$0.29	\$0.35

MACHINE FINISHED

No.	1546R	1547R	1548R	1549R	1550R
Size	$\frac{1}{8}$ "	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "
Each	\$0.11	\$0.13	\$0.15	\$0.23	\$0.28



LONG NIPPLES



Finish	Length	Each	$\frac{1}{8}$ "	$\frac{1}{4}$ "	Size $\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "
Nickel Plated	. . 1 $\frac{1}{2}$ " . . .	" . . .	\$0.20	\$0.24	\$0.29	\$0.38	\$0.42
Polished		" . . .	.17	.20	.24	.32	.35
Rough		" . . .	.13	.16	.19	.25	.28
Nickel Plated	. . 2" . . .	" . . .	.23	.29	.35	.45	.53
Polished		" . . .	.19	.24	.29	.38	.44
Rough		" . . .	.15	.19	.23	.30	.35
Nickel Plated	. . 2 $\frac{1}{2}$ " . . .	" . . .	.26	.33	.41	.53	.63
Polished		" . . .	.22	.28	.34	.44	.53
Rough		" . . .	.17	.22	.27	.35	.42
Nickel Plated	. . 3" . . .	" . . .	.29	.38	.47	.60	.74
Polished		" . . .	.24	.32	.39	.50	.62
Rough		" . . .	.19	.25	.31	.40	.49
Nickel Plated	. . 3 $\frac{1}{2}$ " . . .	" . . .	.32	.42	.53	.68	.84
Polished		" . . .	.27	.35	.44	.57	.70
Rough		" . . .	.21	.28	.35	.45	.56
Nickel Plated	. . 4" . . .	" . . .	.35	.47	.59	.75	.95
Polished		" . . .	.29	.39	.49	.63	.79
Rough		" . . .	.23	.31	.39	.50	.63
Nickel Plated	. . 5" . . .	" . . .	.41	.56	.71	.90	1.16
Polished		" . . .	.34	.46	.59	.75	.97
Rough		" . . .	.27	.37	.47	.60	.77
Nickel Plated	. . 6" . . .	" . . .	.47	.65	.83	1.05	1.37
Polished		" . . .	.39	.54	.69	.88	1.14
Rough		" . . .	.31	.43	.55	.70	.91

In ordering specify Size, Length and Finish

Wolverine Brass Tubing

FOR RAILINGS AND EXPOSED WORK

POLISHED
BRASS FINISH



NICKEL PLATED
FINISH

For Lists and Sizes, see Pages 132 and 133 Catalogue "H."

ANNEALED BRASS TUBE

For supply piping and exposed work that requires bending.

HARD BRASS TUBE

For Hand Railings, Foot Railings, Fixture Railings, Towel Bars, Curtain Bars, Waste and Vent Pipes, etc.

BRASS CASING

For covering wrought iron pipe $\frac{3}{4}$ inch to $1\frac{1}{2}$ inches.

Estimates on special work cheerfully furnished.

Wolverine Never-Slip Pipe Clamp

MALLEABLE IRON



FOR VISE OR WRENCH

Securely holds nickel plated Brass Tube and Pipe for cutting, threading and screwing on fittings. Will not mar the finest surface.

Wolverine Strap Vise

MALLEABLE IRON

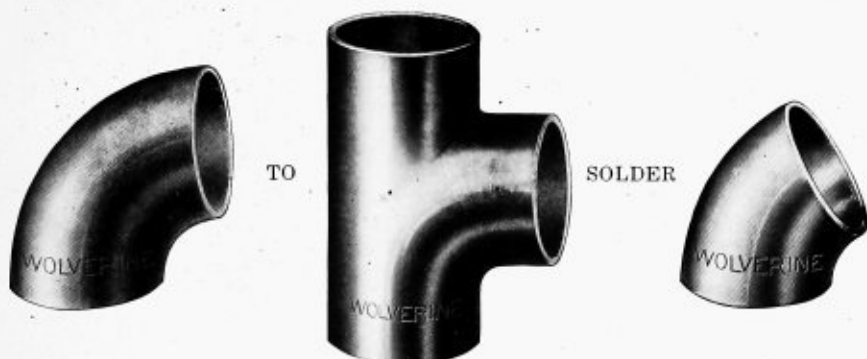


Strap vise holds large or small pipe. Strap is extra heavy four ply.

For Lists on Vise and Pipe Clamps, see Pages 398 and 399 Catalogue "H."

Solder, Fine Thread and Slip Joint Fittings

FOR RAILINGS AND EXPOSED WORK



For other Styles and Lists, see Pages 114 to 122 Catalogue "H."



THE MOST COMPLETE LINE OF TUBE FITTINGS
IN THE WORLD



WOLVERINE FITTINGS

are Made from High Grade metals, carefully cored smooth castings
and perfectly machined.

Wolverine Adjustable Fine Threading Set FOR TUBING

For threading
1¼", 1⅝", 1½"
and 2" Brass
Nickel Plated
Tubing.

See Pages 406,
407 for lists,
Catalogue "H."



Compared with
the saving,
cost of this
set is small
and every me-
chanic should
have a set on
hand.

Fine Thread
Taps listed
on Page 405
Catalogue "H."

Dies adjustable to cut over or under
Size Threads, 27 Threads to the inch

SET CONSISTS OF

One each 1¼, 1⅝, 1½ and 2-inch Dies, Guide and Nipple Holder, one Nickeled Die Holder, one Polished Steel Hack Saw complete, one Wolverine Strap Wrench for Nickel Plated Pipe, and one Hardwood Compartment Case, Oil Finished.

Brass Pipe Wrenches

"WOLVERINE" WITH LOOP STRAP

JAPANNED HANDLE—NICKELED HEAD



Patented

"HANDY" WITH PLAIN STRAP

JAPANNED



See Page 396 Catalogue "H" for List on Wrenches.

Plumbers' Fine Thread Fittings

ROUGH BRASS

BEADED PATTERN



Number	Article	Size	Each
1030-BR	Elbows	$\frac{5}{8}$ "	\$0.26
1030-CR	"	$\frac{3}{4}$ "	.35
1034-BR	Elbows, Reducing	$\frac{3}{8}$ " I. P. x $\frac{5}{8}$ " F. T.	.34
1034-DR	"	$\frac{3}{8}$ " I. P. x $\frac{3}{4}$ " F. T.	.45
1034-FR	"	$\frac{1}{2}$ " I. P. x $\frac{5}{8}$ " F. T.	.45
1034-HR	"	$\frac{1}{2}$ " I. P. x $\frac{3}{4}$ " F. T.	.45
1034-JR	"	$\frac{3}{4}$ " I. P. x $\frac{5}{8}$ " F. T.	.45
1034-LR	"	$\frac{3}{4}$ " I. P. x $\frac{3}{4}$ " F. T.	.62
1035-BR	Elbows, 45°	$\frac{5}{8}$ "	.35
1035-CR	" 45°	$\frac{3}{4}$ "	.40
1036-BR	Elbows, Drop	$\frac{5}{8}$ "	.42
1036-CR	"	$\frac{3}{4}$ "	.56
1036-ER	"	$\frac{1}{2}$ " I. P. x $\frac{5}{8}$ " F. T.	.50
1036-GR	"	$\frac{1}{2}$ " I. P. x $\frac{3}{4}$ " F. T.	.66
1038-BR	Tees	$\frac{5}{8}$ "	.30
1038-CR	"	$\frac{3}{4}$ "	.40
1040-BR	Tees, Reducing	$\frac{3}{8}$ " I. P. x $\frac{5}{8}$ " F. T.	.40
1040-DR	"	$\frac{3}{8}$ " I. P. x $\frac{3}{4}$ " F. T.	.50
1040-FR	"	$\frac{1}{2}$ " I. P. x $\frac{5}{8}$ " F. T.	.50
1040-HR	"	$\frac{1}{2}$ " I. P. x $\frac{3}{4}$ " F. T.	.50
1040-JR	"	$\frac{3}{4}$ " I. P. x $\frac{3}{4}$ " F. T.	.70
1040-LR	"	$\frac{1}{2}$ " I. P. x $\frac{3}{4}$ " F. T. x $\frac{3}{4}$ " F. T.	.50
1040-NR	"	$\frac{3}{4}$ " F. T. x $\frac{1}{2}$ " I. P. x $\frac{3}{4}$ " F. T.	.50
1042-BR	Tees, Drop	$\frac{5}{8}$ "	.50
1042-CR	"	$\frac{3}{4}$ "	.60
1044-BR	Tees, Drop, Reducing	$\frac{1}{2}$ " I. P. x $\frac{5}{8}$ " F. T.	.60
1044-DR	"	$\frac{1}{2}$ " I. P. x $\frac{3}{4}$ " F. T.	.70
1046-BR	Couplings	$\frac{5}{8}$ "	.20
1046-CR	"	$\frac{3}{4}$ "	.25
1047-BR	Couplings, R & L	$\frac{5}{8}$ "	.25
1047-CR	"	$\frac{3}{4}$ "	.30
1048-BR	Couplings, Reducing	$\frac{1}{2}$ " I. P. x $\frac{5}{8}$ " F. T.	.25
1048-DR	"	$\frac{1}{2}$ " I. P. x $\frac{3}{4}$ " F. T.	.30
1048-FR	"	$\frac{3}{4}$ " I. P. x $\frac{3}{4}$ " F. T.	.40
1050-BR	Plugs	$\frac{5}{8}$ "	.20
1050-CR	"	$\frac{3}{4}$ "	.25
1052-BR	Caps, Acorn	$\frac{5}{8}$ "	.20
1052-CR	"	$\frac{3}{4}$ "	.25
1054-BR	Bushings, Hex	$\frac{1}{2}$ " I. P. x $\frac{5}{8}$ " F. T.	.20
1054-DR	"	$\frac{3}{4}$ " I. P. x $\frac{3}{4}$ " F. T.	.48
1056-BR	Return Bends, Med.	$\frac{5}{8}$ "	.76
1056-CR	"	$\frac{3}{4}$ "	.86
1058-BR	Unions, Machined	$\frac{5}{8}$ "	.55
1058-CR	"	$\frac{3}{4}$ "	.75
1059-BR	Unions, Reducing	$\frac{1}{2}$ " I. P. x $\frac{3}{4}$ " F. T.	.85
1061-BR	Nipples, Close	$\frac{5}{8}$ " x $\frac{7}{8}$ " Long	.20
1061-CR	"	$\frac{3}{4}$ " x $1\frac{1}{8}$ " Long	.25
1062-BR	Nipples, Short	$\frac{5}{8}$ " x $1\frac{1}{8}$ " Long	.20
1062-CR	"	$\frac{3}{4}$ " x $1\frac{1}{4}$ " Long	.25

LONG NIPPLES

Length

Number	Size	$1\frac{1}{2}$ "	2"	$2\frac{1}{2}$ "	3"	$3\frac{1}{2}$ "	4"
1065-R	$\frac{5}{8}$ "	Each . . . \$0.25	\$0.30	\$0.30	\$0.30	\$0.30	\$0.35
1066-R	$\frac{3}{4}$ "	Each 30	.35	.35	.35	.35	.41

Polished Fittings Double Rough List



Wolverine Brass Fittings

STANDARD IRON PIPE THREADS

90° ELBOWS



NICKEL PLATED					
No.	1081	1082	1083	1084	1085 1086
Size	1/8"	1/4"	3/8"	1/2"	3/4" 1"
Each	\$0.30	\$0.43	\$0.50	\$0.67	\$0.84 \$1.20
POLISHED					
No.	1081P	1082P	1083P	1084P	1085P 1086P
Size	1/8"	1/4"	3/8"	1/2"	3/4" 1"
Each	\$0.24	\$0.34	\$0.42	\$0.56	\$0.70 \$1.00
ROUGH					
No.	1081R	1082R	1083R	1084R	1085R 1086R
Size	1/8"	1/4"	3/8"	1/2"	3/4" 1"
Each	\$0.12	\$0.17	\$0.21	\$0.28	\$0.35 \$0.50

REDUCING ELBOWS

NICKEL PLATED					
No.	1107	1108	1109	1110	1111
Size	1/4" x 1/8"	3/8" x 1/4"	1/2" x 3/8"	3/4" x 1/2"	
Each	\$0.55	\$0.65	\$0.65	\$0.84	\$1.08
POLISHED					
No.	1107P	1108P	1109P	1110P	1111P
Size	1/4" x 1/8"	3/8" x 1/4"	1/2" x 3/8"	3/4" x 1/2"	
Each	\$0.44	\$0.52	\$0.60	\$0.70	\$0.90
ROUGH					
No.	1107R	1108R	1109R	1110R	1111R
Size	1/4" x 1/8"	3/8" x 1/4"	1/2" x 3/8"	3/4" x 1/2"	
Each	\$0.22	\$0.26	\$0.30	\$0.35	\$0.45



45° ELBOWS

45° RED. ELBOWS



NICKEL PLATED					
No.	1132	1133	1134	1135	1145
Size	1/4"	3/8"	1/2"	3/4"	1/2" x 3/8"
Each	\$0.60	\$0.72	\$0.82	\$1.01	\$1.20
POLISHED					
No.	1132P	1133P	1134P	1135P	1145P
Size	1/4"	3/8"	1/2"	3/4"	1/2" x 3/8"
Each	\$0.50	\$0.60	\$0.68	\$0.84	\$1.00
ROUGH					
No.	1132R	1133R	1134R	1135R	1145R
Size	1/4"	3/8"	1/2"	3/4"	1/2" x 3/8"
Each	\$0.25	\$0.30	\$0.34	\$0.42	\$0.50

STREET ELBOWS

NICKEL PLATED					
No.	1156	1157	1158	1159	1160
Size	1/4"	1/2"	3/8"	1/2"	3/4"
Each	\$0.46	\$0.52	\$0.67	\$1.00	\$1.32
POLISHED					
No.	1156P	1157P	1158P	1159P	1160P
Size	1/4"	1/2"	3/8"	1/2"	3/4"
Each	\$0.38	\$0.43	\$0.56	\$0.83	\$1.10
ROUGH					
No.	1156R	1157R	1158R	1159R	1160R
Size	1/4"	1/2"	3/8"	1/2"	3/4"
Each	\$0.24	\$0.27	\$0.35	\$0.55	\$0.75





Wolverine Brass Fittings

STANDARD IRON PIPE THREADS

DROP ELBOWS



NICKEL PLATED	
No. 1170	1171
Size $\frac{3}{8}$ "	$\frac{1}{2}$ "
Each \$0.72	\$0.96

POLISHED	
No. 1170P	1171P
Size $\frac{3}{8}$ "	$\frac{1}{2}$ "
Each \$0.60	\$0.80

ROUGH	
No. 1170R	1171R
Size $\frac{3}{8}$ "	$\frac{1}{2}$ "
Each \$0.30	\$0.40

TEES

NICKEL PLATED					
No. 1183	1184	1185	1186	1187	1188
Size $\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "	$\frac{1}{2}$ "	1"
Each \$0.36	\$0.48	\$0.72	\$0.96	\$1.20	\$1.80

POLISHED					
No. 1183P	1184P	1185P	1186P	1187P	1188P
Size $\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "	$\frac{1}{2}$ "	1"
Each \$0.30	\$0.40	\$0.60	\$0.80	\$1.00	\$1.50

ROUGH					
No. 1183R	1184R	1185R	1186R	1187R	1188R
Size $\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "	$\frac{1}{2}$ "	1"
Each \$0.15	\$0.20	\$0.30	\$0.40	\$0.50	\$0.75



REDUCING TEES



NICKEL PLATED							
No. 1210	1211	1212	1213	1214	1215	1216	
Bottom $\frac{3}{8}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{1}{2}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "	$\frac{3}{4}$ "	
Top $\frac{3}{8}$ "	$\frac{1}{4}$ "	$\frac{1}{2}$ "	$\frac{3}{8}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "	
Side $\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{8}$ "	$\frac{3}{4}$ "	$\frac{1}{2}$ "	
Each \$0.91	\$0.91	\$1.20	\$1.20	\$1.20	\$1.50	\$1.50	

POLISHED							
No. 1210P	1211P	1212P	1213P	1214P	1215P	1216P	
Bottom $\frac{3}{8}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{1}{2}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "	$\frac{3}{4}$ "	
Top $\frac{3}{8}$ "	$\frac{1}{4}$ "	$\frac{1}{2}$ "	$\frac{3}{8}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "	
Side $\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{8}$ "	$\frac{3}{4}$ "	$\frac{1}{2}$ "	
Each \$0.76	\$0.76	\$1.00	\$1.00	\$1.00	\$1.25	\$1.25	

ROUGH							
No. 1210R	1211R	1212R	1213R	1214R	1215R	1216R	
Bottom $\frac{3}{8}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{1}{2}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "	$\frac{3}{4}$ "	
Top $\frac{3}{8}$ "	$\frac{1}{4}$ "	$\frac{1}{2}$ "	$\frac{3}{8}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "	
Side $\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{8}$ "	$\frac{3}{4}$ "	$\frac{1}{2}$ "	
Each \$0.38	\$0.38	\$0.50	\$0.50	\$0.50	\$0.63	\$0.63	

DROP TEES

NICKEL PLATED	
No. 1250	1251
Size $\frac{3}{8}$ "	$\frac{1}{2}$ "
Each \$0.84	\$1.08

POLISHED	
No. 1250P	1251P
Size $\frac{3}{8}$ "	$\frac{1}{2}$ "
Each \$0.70	\$0.90

ROUGH	
No. 1250R	1251R
Size $\frac{3}{8}$ "	$\frac{1}{2}$ "
Each \$0.35	\$0.45





Wolverine Brass Fittings

STANDARD IRON PIPE THREADS

GROUND JOINT UNIONS



NICKEL PLATED					
No.	1271	1272	1273	1274	1275
Size	$\frac{1}{8}$ "	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "
Each	\$0.57	\$0.64	\$0.90	\$1.26	\$1.62
POLISHED					
No.	1271P	1272P	1273P	1274P	1275P
Size	$\frac{1}{8}$ "	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "
Each	\$0.38	\$0.43	\$0.60	\$0.84	\$1.08
MACHINE FINISHED					
No.	1271R	1272R	1273R	1274R	1275R
Size	$\frac{1}{8}$ "	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "
Each	\$0.32	\$0.36	\$0.50	\$0.70	\$0.90

AIR CHAMBER TEES

FOR BASIN AND BATH SUPPLIES.

NICKEL PLATED

No.	1280	1281
Size	$\frac{3}{8}$ "	$\frac{1}{2}$ "
Each	\$1.75	\$2.25



MEDIUM PATTERN RETURN BENDS



	NICKEL PLATED	POLISHED	ROUGH
No.	1290	1290P	1290R
Size	$\frac{1}{2}$ "	$\frac{1}{2}$ "	$\frac{1}{2}$ "
Each	\$1.51	\$1.26	\$0.63

COUPLINGS

NICKEL PLATED

No.	1298	1299	1300	1301	1302
Size	$\frac{1}{8}$ "	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "
Each	\$0.24	\$0.35	\$0.38	\$0.60	\$0.90

POLISHED

No.	1298P	1299P	1300P	1301P	1302P
Size	$\frac{1}{8}$ "	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "
Each	\$0.20	\$0.28	\$0.32	\$0.50	\$0.75

ROUGH

No.	1298R	1299R	1300R	1301R	1302R
Size	$\frac{1}{8}$ "	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "
Each	\$0.10	\$0.14	\$0.16	\$0.25	\$0.37



SEE REVISED LIST



Wolverine Brass Fittings

STANDARD IRON PIPE THREADS

REDUCING COUPLINGS



		NICKEL PLATED			
No.	1325	1326	1327	1328	1329
Size	$\frac{1}{4}$ " x $\frac{1}{8}$ "	$\frac{3}{8}$ " x $\frac{1}{4}$ "	$\frac{1}{2}$ " x $\frac{3}{8}$ "	$\frac{3}{4}$ " x $\frac{1}{2}$ "	1" x $\frac{3}{4}$ "
Each	\$0.40	\$0.53	\$0.77	\$1.08	\$1.56
		POLISHED			
No.	1325P	1326P	1327P	1328P	1329P
Size	$\frac{1}{4}$ " x $\frac{1}{8}$ "	$\frac{3}{8}$ " x $\frac{1}{4}$ "	$\frac{1}{2}$ " x $\frac{3}{8}$ "	$\frac{3}{4}$ " x $\frac{1}{2}$ "	1" x $\frac{3}{4}$ "
Each	\$0.32	\$0.44	\$0.64	\$0.90	\$1.30
		ROUGH			
No.	1325R	1326R	1327R	1328R	1329R
Size	$\frac{1}{4}$ " x $\frac{1}{8}$ "	$\frac{3}{8}$ " x $\frac{1}{4}$ "	$\frac{1}{2}$ " x $\frac{3}{8}$ "	$\frac{3}{4}$ " x $\frac{1}{2}$ "	1" x $\frac{3}{4}$ "
Each	\$0.16	\$0.22	\$0.32	\$0.45	\$0.65

FLOOR FLANGES

		NICKEL PLATED			
No.	1355	1356	1357	1358	
Size	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "	
Each	\$0.48	\$0.60	\$0.84	\$1.08	
		POLISHED			
No.	1355P	1356P	1357P	1358P	
Size	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "	
Each	\$0.40	\$0.50	\$0.70	\$0.90	
		MACHINE FINISHED			
No.	1355R	1356R	1357R	1358R	
Size	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "	
Each	\$0.30	\$0.40	\$0.50	\$0.60	



Floor Flanges Tapped with Fine Thread, See Page 117

ACORN CAPS



NICKEL PLATED		POLISHED		ROUGH		
No.	1379	1380	1379P	1380P	1379R	1380R
Size	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "
Each	\$0.60	\$0.72	\$0.50	\$0.60	\$0.25	\$0.30

PLAIN CAPS

		NICKEL PLATED			
No.	1396	1397	1398	1399	1400
Size	$\frac{1}{8}$ "	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "
Each	\$0.36	\$0.36	\$0.48	\$0.60	\$0.84
		POLISHED			
No.	1396P	1397P	1398P	1399P	1400P
Size	$\frac{1}{8}$ "	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "
Each	\$0.30	\$0.30	\$0.40	\$0.50	\$0.70
		ROUGH			
No.	1396R	1397R	1398R	1399R	1400R
Size	$\frac{1}{8}$ "	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "
Each	\$0.15	\$0.15	\$0.20	\$0.25	\$0.35





Wolverine Brass Fittings

STANDARD IRON PIPE THREADS

PLUGS



		NICKEL PLATED				
No.	1423	1424	1425	1426	1427	
Size	$\frac{1}{8}"$	$\frac{1}{4}"$	$\frac{3}{8}"$	$\frac{1}{2}"$	$\frac{3}{4}"$	
Each	\$0.22	\$0.24	\$0.29	\$0.36	\$0.48	
		POLISHED				
No.	1423P	1424P	1425P	1426P	1427P	
Size	$\frac{1}{8}"$	$\frac{1}{4}"$	$\frac{3}{8}"$	$\frac{1}{2}"$	$\frac{3}{4}"$	
Each	\$0.18	\$0.20	\$0.24	\$0.30	\$0.40	
		ROUGH				
No.	1423R	1424R	1425R	1426R	1427R	
Size	$\frac{1}{8}"$	$\frac{1}{4}"$	$\frac{3}{8}"$	$\frac{1}{2}"$	$\frac{3}{4}"$	
Each	\$0.09	\$0.10	\$0.12	\$0.15	\$0.20	

BUSHINGS

		NICKEL PLATED							
No.	1450	1451	1452	1453	1454	1455	1456	1457	1458
Size	$\frac{1}{4} \times \frac{1}{8}$	$\frac{3}{8} \times \frac{1}{4}$	$\frac{1}{2} \times \frac{3}{8}$	$\frac{5}{8} \times \frac{1}{2}$	$1 \times \frac{3}{4}$	$1 \frac{1}{2} \times 1$	$2 \times 1 \frac{1}{2}$	$2 \frac{1}{2} \times 2$	$3 \times 2 \frac{1}{2}$
Each	\$0.24	\$0.29	\$0.29	\$0.34	\$0.34	\$0.50	\$0.50	\$0.90	\$0.90
		POLISHED							
No.	1450P	1451P	1452P	1453P	1454P	1455P	1456P	1457P	1458P
Size	$\frac{1}{4} \times \frac{1}{8}$	$\frac{3}{8} \times \frac{1}{4}$	$\frac{1}{2} \times \frac{3}{8}$	$\frac{5}{8} \times \frac{1}{2}$	$1 \times \frac{3}{4}$	$1 \frac{1}{2} \times 1$	$2 \times 1 \frac{1}{2}$	$2 \frac{1}{2} \times 2$	$3 \times 2 \frac{1}{2}$
Each	\$0.20	\$0.24	\$0.24	\$0.28	\$0.28	\$0.42	\$0.42	\$0.76	\$0.76
		ROUGH							
No.	1450R	1451R	1452R	1453R	1454R	1455R	1456R	1457R	1458R
Size	$\frac{1}{4} \times \frac{1}{8}$	$\frac{3}{8} \times \frac{1}{4}$	$\frac{1}{2} \times \frac{3}{8}$	$\frac{5}{8} \times \frac{1}{2}$	$1 \times \frac{3}{4}$	$1 \frac{1}{2} \times 1$	$2 \times 1 \frac{1}{2}$	$2 \frac{1}{2} \times 2$	$3 \times 2 \frac{1}{2}$
Each	\$0.10	\$0.12	\$0.12	\$0.14	\$0.14	\$0.21	\$0.21	\$0.38	\$0.38



LOCK NUTS



		NICKEL PLATED				
No.	1490	1491	1492	1493	1494	
Size	$\frac{1}{8}"$	$\frac{1}{4}"$	$\frac{3}{8}"$	$\frac{1}{2}"$	$\frac{3}{4}"$	
Each	\$0.24	\$0.24	\$0.29	\$0.36	\$0.48	
		POLISHED				
No.	1490P	1491P	1492P	1493P	1494P	
Size	$\frac{1}{8}"$	$\frac{1}{4}"$	$\frac{3}{8}"$	$\frac{1}{2}"$	$\frac{3}{4}"$	
Each	\$0.20	\$0.20	\$0.24	\$0.30	\$0.40	
		ROUGH				
No.	1490R	1491R	1492R	1493R	1494R	
Size	$\frac{1}{8}"$	$\frac{1}{4}"$	$\frac{3}{8}"$	$\frac{1}{2}"$	$\frac{3}{4}"$	
Each	\$0.10	\$0.10	\$0.12	\$0.15	\$0.20	

CLOSE NIPPLES

		WHITE NICKEL PLATED				
No.	1528	1529	1530	1531	1532	1533
Size	$\frac{1}{8}"$	$\frac{1}{4}"$	$\frac{3}{8}"$	$\frac{1}{2}"$	$\frac{3}{4}"$	1"
Length	$\frac{3}{8}"$	$\frac{3}{4}"$	$\frac{7}{8}"$	$1 \frac{1}{8}"$	$1 \frac{1}{4}"$	$1 \frac{3}{8}"$
Each	\$0.15	\$0.18	\$0.24	\$0.30	\$0.36	\$0.48
		MACHINE FINISHED				
No.	1528R	1529R	1530R	1531R	1532R	1533R
Size	$\frac{1}{8}"$	$\frac{1}{4}"$	$\frac{3}{8}"$	$\frac{1}{2}"$	$\frac{3}{4}"$	1"
Length	$\frac{3}{8}"$	$\frac{3}{4}"$	$\frac{7}{8}"$	$1 \frac{1}{8}"$	$1 \frac{1}{4}"$	$1 \frac{3}{8}"$
Each	\$0.12	\$0.15	\$0.20	\$0.25	\$0.30	\$0.40



SEE REVISED LIST

Wolverine Brass Fittings



STANDARD IRON PIPE THREADS

SHOULDER NIPPLES

NICKEL PLATED					
No.	1546	1547	1548	1549	1550
Size	$\frac{1}{8}$ "	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "
Length	$\frac{7}{8}$ "	1"	$1\frac{1}{8}$ "	$1\frac{1}{4}$ "	$1\frac{3}{8}$ "
Each	\$0.34	\$0.43	\$0.60	\$0.72	\$0.91
POLISHED					
No.	1546P	1547P	1548P	1549P	1550P
Size	$\frac{1}{8}$ "	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "
Length	$\frac{7}{8}$ "	1"	$1\frac{1}{8}$ "	$1\frac{1}{4}$ "	$1\frac{3}{8}$ "
Each	\$0.28	\$0.36	\$0.50	\$0.60	\$0.76
MACHINE FINISHED					
No.	1546R	1547R	1548R	1549R	1550R
Size	$\frac{1}{8}$ "	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "
Length	$\frac{7}{8}$ "	1"	$1\frac{1}{8}$ "	$1\frac{1}{4}$ "	$1\frac{3}{8}$ "
Each	\$0.14	\$0.18	\$0.25	\$0.30	\$0.38



LONG NIPPLES



Finish	Length	Each	$\frac{1}{8}$ "	$\frac{1}{4}$ "	Size $\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "
Nickel Plated	1 $\frac{1}{2}$ "	"	\$0.34	\$0.43	\$0.60	\$0.72	\$0.91
Polished		"	.28	.36	.50	.60	.76
Rough		"	.14	.18	.25	.30	.38
Nickel Plated	2"	"	.46	.58	.67	.79	.94
Polished		"	.38	.48	.56	.66	.78
Rough		"	.19	.24	.28	.33	.39
Nickel Plated	2 $\frac{1}{2}$ "	"	.53	.67	.79	.94	1.10
Polished		"	.44	.56	.66	.78	.92
Rough		"	.22	.28	.33	.39	.46
Nickel Plated	3"	"	.60	.77	.91	1.08	1.27
Polished		"	.50	.64	.76	.90	1.06
Rough		"	.25	.32	.38	.45	.53
Nickel Plated	3 $\frac{1}{2}$ "	"	.67	.86	1.03	1.22	1.44
Polished		"	.56	.72	.86	1.02	1.20
Rough		"	.28	.36	.43	.51	.60
Nickel Plated	4"	"	.74	.96	1.15	1.37	1.61
Polished		"	.62	.80	.96	1.14	1.34
Rough		"	.31	.40	.48	.57	.67
Nickel Plated	5"	"	.89	1.15	1.39	1.66	1.84
Polished		"	.74	.96	1.16	1.38	1.62
Rough		"	.37	.48	.58	.69	.81
Nickel Plated	6"	"	1.03	1.34	1.63	1.94	2.28
Polished		"	.86	1.12	1.36	1.62	1.90
Rough		"	.43	.56	.68	.81	.95

In ordering specify Size, Length and Finish



Soft Brass Tubing

NICKELED

ANNEALED

American or Brown & Sharpe Gauge



Cross Section
of 3/8-inch,
20-Gauge



Cross Section
of 3/8-inch,
18-Gauge

Number	1600	1601-A	1601-B	1602-A	1602-B	1602-C	1603	1604
Outside Diameter	3/8"	1/2"	5/8"	3/4"	7/8"	1"	1 1/8"	1 1/4"
Gauge	18	19	18	19	18	15	18	18
Per Foot	\$0.21	\$0.19	\$0.23	\$0.23	\$0.25	\$0.31	\$0.32	\$0.36

WOLVERINE STANDARD IRON PIPE SIZE

FOR SUPPLY PIPING



Wolverine Standard
3/8-inch Iron Pipe Size

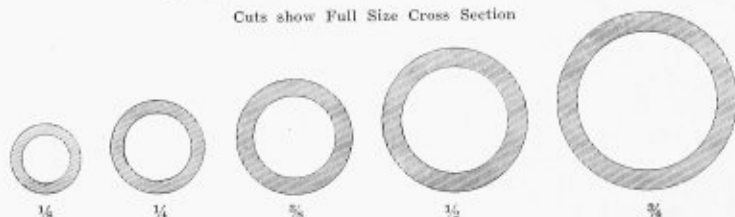
Number	1610	1611
Threads For	3/8" I. P.	1/2" I. P.
Per Foot	\$0.46	\$0.58



Wolverine Standard
1/2-inch Iron Pipe Size

EXTRA HEAVY IRON PIPE SIZE

Cuts show Full Size Cross Section



Number	1615	1616	1617	1618	1619
Threads For	3/8" I. P.	1/4" I. P.	3/8" I. P.	1/2" I. P.	3/4" I. P.
Per Foot	\$0.31	\$0.46	\$0.62	\$0.84	\$1.04

Hard Brass Tubing

NICKELED

FOR TOWEL BARS, WASTE AND VENT PIPES, RAILINGS, ETC.

Number	1625	1626	1627	1628	1629	1630-A	1630-B	1631	1632	1633-A	1633-B	1634	1635
Outside Diameter	3/8"	1/2"	5/8"	3/4"	1"	1 1/8"	1 1/4"	1 3/8"	1 1/2"	1 3/4"	2"	2 1/4"	2 1/2"
Gauge	20	20	20	20	20	20	20	20	20	20	20	20	20
Per Foot	\$0.18	\$0.22	\$0.28	\$0.32	\$0.38	\$0.40	\$0.42	\$0.44	\$0.48	\$0.52	\$0.60	\$0.68	\$0.80

All Tubing furnished in lengths of 3, 6 or 12 feet.
Six foot lengths shipped unless otherwise ordered.

For Special Lengths and Threading, see Discount Sheet





Brass Casing

NICKELED

TO COVER WROUGHT IRON PIPE



Number	1641	1642	1643	1644	1645	1646	1647
Outside Diam. of Casing	$\frac{5}{8}$ "	$\frac{3}{4}$ "	$\frac{7}{8}$ "	$1\frac{1}{8}$ "	$1\frac{3}{8}$ "	$1\frac{3}{4}$ "	$1\frac{7}{8}$ "
To Cover Iron Pipe	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "	1"	$1\frac{1}{4}$ "	$1\frac{1}{2}$ "
Per Foot	\$0.24	\$0.26	\$0.32	\$0.38	\$0.44	\$0.60	\$0.64

Furnished only in Lengths of 3 or 6 Feet.

Valve Wheel Handles

WOOD BLACK JAPANNED



Top View



Bottom View

Number	1660-A	1660-C	1660-E	1660-G	1660-J	1660-L
Diameter	$1\frac{1}{4}$ "	2"	$2\frac{1}{4}$ "	$2\frac{1}{2}$ "	$2\frac{3}{4}$ "	3"
Per Dozen	\$0.70	\$1.60	\$1.80	\$2.00	\$2.20	\$2.40

Correct size for Radiator Air Valves is $1\frac{1}{4}$ inch.

Radiator Air Valve

IMPROVED AUTOMATIC

SIZE $\frac{1}{4}$ "



Number		Per Dozen
1665-A	Complete	\$12.00
1665-C	Cap Only	3.00

The construction of our Valve is such that no matter how great the expansion or contraction, the Carbon Tube adjusts automatically. Strong Bronze Pins hold carbon tube in line, insuring perfect Float action.



Wolverine Radiator Air Valves

NICKELED

WOOD WHEEL HANDLE

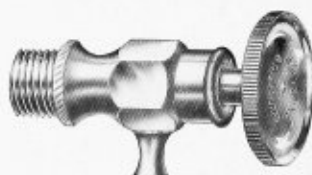


Number	Size	Per Doz.
1674-A	$\frac{1}{8}$ "	\$3.50

Wood Wheel Handles only
see Page 133

METAL WHEEL HANDLE

Number	Size	Per Doz.
1676-A	$\frac{1}{8}$ "	\$5.00



LOOSE KEY HANDLE



Number	Size	Per Doz.
1677-A	$\frac{1}{8}$ "	\$3.35

AIR VALVE PARTS

N. P. SCREW FOR
WOOD WHEEL



Number	Per Doz.
1674-S	\$0.60

N. P. WASHER
FOR WOOD WHEEL



Number	Per Doz.
1674-W	\$0.20

LOOSE KEY
FOR AIR VALVE



Number	Per Doz.
1677-K	\$1.50



Brass Air Cocks

FINISHED RED STEAM METAL

TEE HANDLE



Number	1679-A	1679-B	1679-C	1679-D
Size	$\frac{1}{8}$ "	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "
Each	\$0.40	\$0.45	\$0.50	\$0.60

Wolverine Trap Screw Covers

BRASS NICKELED

FLAT PATTERN

EXTRA HEAVY SHEET

Number	Diameter	Per Doz.
1680	6"	\$10.00



RAISED PATTERN

STANDARD SHEET

Number	Diameter	Height	Per Doz.
1681-A	5 $\frac{3}{4}$ "	$\frac{3}{4}$ "	\$5.50



HEAVY SHEET

Number	Diameter	Height	Per Doz.
1681-B	6"	$\frac{3}{4}$ "	\$6.70

CAST BRASS

Number	Diameter	Height	Per Doz.
1681-C	6"	$\frac{3}{4}$ "	\$20.00

Wolverine Trap Screws

MACHINE FINISHED

Number	1682-A	1682-B	1682-C	1682-D
Size	1"	1 $\frac{1}{4}$ "	1 $\frac{1}{2}$ "	2"
Per Doz.	\$3.00	\$3.60	\$4.20	\$7.20





Regular Soldering Nipples

STANDARD PATTERN—YELLOW METAL

MALE



Number	1684	1685	1686	1687	1688	1689	1690
Size	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "	1"	1 $\frac{1}{4}$ "	1 $\frac{1}{2}$ "	2"
Per Dozen	\$3.00	\$3.60	\$5.40	\$7.20	\$10.80	\$12.60	\$18.00

FEMALE



Number	1692	1693	1694	1695	1696	1697	1698
Size	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "	1"	1 $\frac{1}{4}$ "	1 $\frac{1}{2}$ "	2"
Per Dozen	\$3.00	\$3.60	\$5.40	\$7.20	\$10.80	\$12.60	\$18.00

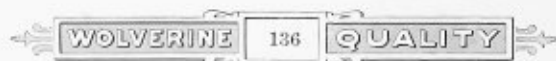
Regular Soldering Unions

STANDARD PATTERN—YELLOW METAL



Number	1700	1701	1702	1703	1704	1705	1706
Size	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "	1"	1 $\frac{1}{4}$ "	1 $\frac{1}{2}$ "	2"
Per Dozen	\$4.20	\$4.80	\$6.00	\$8.40	\$12.00	\$15.00	\$21.00

Tested and Guaranteed





Wolverine Soldering Nipples

EXTRA HEAVY—RED METAL

MALE



Number	1708	1709	1710	1711	1712	1713	1714
Size	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "	1"	$1\frac{1}{4}$ "	$1\frac{1}{2}$ "	2"
Per Dozen	\$3.00	\$3.60	\$5.40	\$7.20	\$10.80	\$12.60	\$18.00

FEMALE



Number	1716	1717	1718	1719	1720	1721	1722
Size	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "	1"	$1\frac{1}{4}$ "	$1\frac{1}{2}$ "	2"
Per Dozen	\$3.00	\$3.60	\$5.40	\$7.20	\$10.80	\$12.60	\$18.00

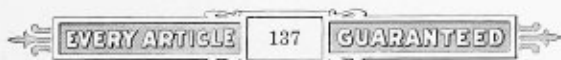
Wolverine Soldering Unions

EXTRA HEAVY—RED METAL



Number	1724	1725	1726	1727	1728	1729	1730
Size	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "	1"	$1\frac{1}{4}$ "	$1\frac{1}{2}$ "	2"
Per Dozen	\$4.20	\$4.80	\$6.00	\$8.40	\$12.00	\$15.00	\$21.00

Tested and Guaranteed





Wolverine Hose Nozzles

CAST BRASS

IMPROVED PATTERN



NICKEL PLATED

POLISHED

Number	Per Doz.	Number	Per Doz.
1731	\$10.00	1732	\$9.50

NOTE:—Thumb Adjusting Sprayer instantly changes a straight stream to a fine spray or a coarse spray.

Wolverine Hose Couplings

HIGH GRADE—CAST BRASS

WITH RECESSED NUT AND WASHER



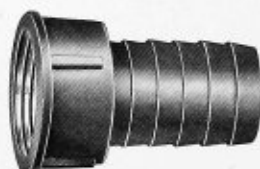
COMPLETE

FEMALE END (Nut and Coupling)

No. .	1733-A	1733-B	1733-C	1733-D	No. .	1734-A	1734-B	1734-C	1734-D
Size .	$\frac{1}{2}$ "	$\frac{5}{8}$ "	$\frac{3}{4}$ "	1"	Size .	$\frac{1}{2}$ "	$\frac{5}{8}$ "	$\frac{3}{4}$ "	1"
Per Doz.	\$4.00	\$4.35	\$4.35	\$8.00	Per Doz.	\$2.70	\$2.95	\$2.95	\$5.35

NOTE:—The Recessed Nut prevents the loss of washer when necessary to uncouple.
For Washers, see Pages 361-362

REGULAR PATTERN



COMPLETE

FEMALE END (Nut and Coupling)

No. .	1736-A	1736-B	1736-C	1736-D	No. .	1737-A	1737-B	1737-C	1737-D
Size .	$\frac{1}{2}$ "	$\frac{5}{8}$ "	$\frac{3}{4}$ "	1"	Size .	$\frac{1}{2}$ "	$\frac{5}{8}$ "	$\frac{3}{4}$ "	1"
Per Doz.	\$3.00	\$3.25	\$3.25	\$6.00	Per Doz.	\$2.00	\$2.20	\$2.20	\$4.00



Hose Nipples

CAST BRASS

Hose
Thread



Iron Pipe
Thread

MALE

No.	1740	1741	1742	1743
Hose Thread	$\frac{3}{4}$ "	$\frac{3}{4}$ "	1"	$\frac{3}{4}$ "
I. P. Thread	$\frac{1}{2}$ "	$\frac{3}{4}$ "	1"	1"
Per Doz. . .	\$3.50	\$3.50	\$5.00	\$6.50

Hose
Thread



Iron Pipe
Thread

FEMALE

No.	1744	1745	1746	1747
Hose Thread	$\frac{3}{4}$ "	$\frac{3}{4}$ "	1"	$\frac{3}{4}$ "
I. P. Thread	$\frac{1}{2}$ "	$\frac{3}{4}$ "	1"	1"
Per Doz. . .	\$3.50	\$3.50	\$5.00	\$6.50

Hose Threads $\frac{1}{2}$, $\frac{3}{4}$ and 1" inch are interchangeable

Hose Connections

CAST BRASS—POLISHED

FOR PLAIN BIBBS

TO SOLDER



Number	Size Bibb	Hose Thread	Per Doz.
1750	$\frac{1}{2}$ "	$\frac{3}{4}$ "	\$3.00
1751	$\frac{3}{8}$ "	$\frac{3}{4}$ "	3.60

SCREW FASTENING



Number	Size Bibb	Hose Thread	Per Doz.
1753	$\frac{1}{2}$ " and $\frac{5}{8}$ "	$\frac{3}{4}$ "	\$3.80
1754	$\frac{3}{4}$ " and 1"	$\frac{3}{4}$ "	4.40

Royle Connections

FOR CONNECTING GARDEN HOSE TO PLAIN BIBBS, WASHING MACHINES, ETC.

COMPLETE



Number	Size Bibb	Hose Thread	Per Doz.
1756	$\frac{1}{2}$ "	$\frac{3}{4}$ "	\$14.00
1757	$\frac{5}{8}$ "	$\frac{3}{4}$ "	16.00

RUBBERS ONLY



Number	Size	Per Doz.
1756-R	$\frac{1}{2}$ "	\$4.50
1757-R	$\frac{5}{8}$ "	6.00



Wolverine Hose Splices

SEAMLESS BRASS CORRUGATED



Number	Size	Per Gross
1761	$\frac{1}{2}$ "	\$8.00
1762	$\frac{3}{4}$ "	9.00

WOOD

Number	Size	Per Gross
1764	$\frac{1}{2}$ "	\$2.00
1765	$\frac{3}{4}$ "	2.00
1766	1"	4.00



IRON



Number	Size	Per Gross
1767	$\frac{1}{2}$ "	\$ 8.00
1768	$\frac{3}{4}$ "	9.00
1769	1"	16.00

Wolverine Hose Pliers

HANDY

Number	Per Dozen
1770	\$6.00



MAGIC

UNBREAKABLE STEEL
FOR CALDWELL HOSE BANDS



Number	Per Dozen
1771	\$5.00

ECONOMY

JAPANNED
FOR OPEN END AND CALDWELL HOSE BANDS

Number	Per Dozen
1772	\$8.00



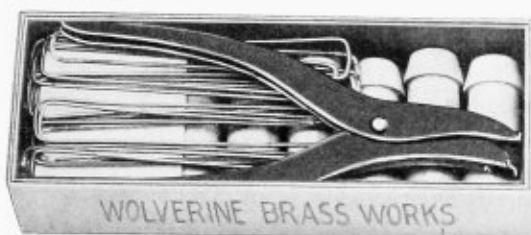
Hose Bands Listed on Page 142



Hose Repair Sets

FOR GARDEN HOSE

MAGIC

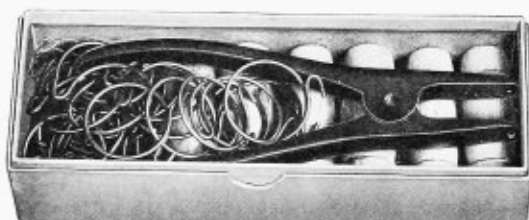


Set contains one pair Magic Hose Pliers, one dozen Caldwell Bands, half dozen Hose Splices. All neatly packed.

Number		Size	Per Dozen
1773	Complete Sets	1 1/2"	\$10.00
1774	Complete Sets	3/4"	10.00

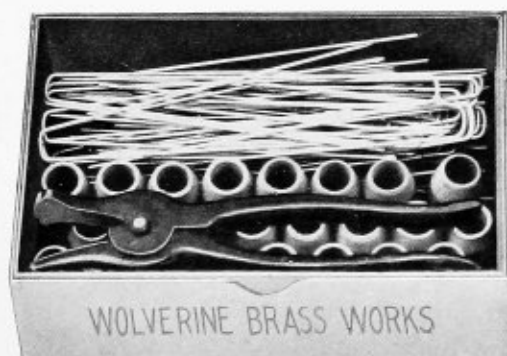
HANDY

Set contains one pair Handy Hose Pliers, two dozen galvanized Handy Hose Bands, half dozen Hose Splices. All neatly packed.



Number		Size	Per Dozen
1775	Complete Sets	1 1/2"	\$9.00
1776	Complete Sets	3/4"	9.00

ECONOMY



Set contains one pair Economy Hose Pliers for Caldwell and open end bands, two dozen Hose Splices, one hundred Wire Hose Bands. All neatly packed.

Number		Size	Per Dozen
1777	Complete Sets	1 1/2"	\$14.00
1778	Complete Sets	3/4"	14.00
1779	Open End Bands only		Per Gross 1.70



"Sure Grip" Hose Clamps

GALVANIZED



FOR 3-PLY HOSE

Number	1780-A	1780-B	1781	1782	1783	1784	1785
Size	$\frac{1}{2}$ "	$\frac{5}{8}$ "	$\frac{3}{4}$ "	1"	$1\frac{1}{4}$ "	$1\frac{1}{2}$ "	2"
Per Dozen	\$1.00	\$1.00	\$1.00	\$1.50	\$2.50	\$3.00	\$4.00

FOR 4-PLY HOSE

Number	1786-A	1786-B	1787	1788	1789	1790	1791
Size	$\frac{1}{2}$ "	$\frac{5}{8}$ "	$\frac{3}{4}$ "	1"	$1\frac{1}{4}$ "	$1\frac{1}{2}$ "	2"
Per Dozen	\$1.00	\$1.00	\$1.00	\$1.50	\$2.50	\$3.00	\$4.00

FOR C. I. TUBING

Number							Per Doz.
1792	For $\frac{3}{8}$ " C. I. Tubing						\$1.00
1793	For $\frac{1}{2}$ " C. I. Tubing						1.00

PRESSED BRASS

FOR 3-PLY HOSE

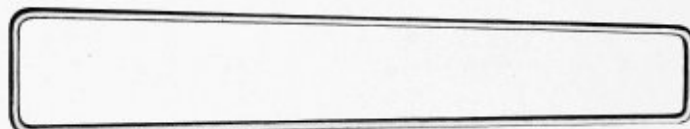
Number	1800	1801
Size	$\frac{1}{2}$ "	$\frac{3}{4}$ "
Per Dozen	\$1.20	\$1.20

FOR 4-PLY HOSE

Number	1805	1806
Size	$\frac{1}{2}$ "	$\frac{3}{4}$ "
Per Dozen	\$1.20	\$1.20

Caldwell Hose Bands

BRAZED BRASS



Number	1810-A	1810-B	1810-C	1810-D
Size	4	6	8	10
For Hose	$\frac{1}{2}$ "	$\frac{3}{4}$ " Light	$\frac{3}{4}$ " Heavy	1"
Length	$3\frac{3}{4}$ "	$4\frac{1}{8}$ "	$4\frac{1}{2}$ "	5"
Per Gross	\$3.35	\$3.35	\$3.35	\$6.50

Handy Hose Band



Number	Style	Size	Per Gross
1813-A	Brass	$\frac{1}{2}$ "	\$2.50
1813-C	Brass	$\frac{3}{4}$ "	2.50
1813-F	Galv. Steel	$\frac{1}{2}$ "	1.70
1813-H	Galv. Steel	$\frac{3}{4}$ "	1.70

Wolv. Hose Mender

GALVANIZED



FOR ANY PLY HOSE

Number	Size	Per Doz.
1814-A	$\frac{1}{2}$ "	\$2.00
1814-C	$\frac{3}{4}$ "	2.00

Hose Pliers listed on Page 140

W O L V E R I N E B A L L C O C K S E



For High or Low Pressure—For High or Low Tanks

Works perfectly in sandy, muddy, acid or alkali waters.

Every "Dale" furnished with indestructible Porcelain Seat that will not cut away with sand, cannot corrode or stick, and saves wear on washers.

A combination of Simplicity, Durability and Absolute Satisfaction.



Dale Ball Cocks

RED METAL

CHANGEABLE BUSHINGS



Patented

"Dale"
For High Tank
Guaranteed Throughout

"Dale"
For High or Low
Pressure, Sandy
or Alkali Waters

Nickel Plated Lock Nut and Couplings

WITHOUT
ROD OR FLOAT

PORCELAIN SEAT

Number	Threaded	Per Dozen
1815-H	Hustler	\$24.00
1815-K	$\frac{1}{2}$ " I. P.	24.00
1815-I	Ideal	24.00
1815-S	Success	24.00
1815-T	$\frac{3}{4}$ " I. P.	24.00
1815-R	Rumsey	24.00

WITH ROD
AND "SOLDERLESS" FLOAT

PORCELAIN SEAT

Number	Threaded	Per Dozen
1816-H	Hustler	\$30.00
1816-K	$\frac{1}{2}$ " I. P.	30.00
1816-I	Ideal	30.00
1816-S	Success	30.00
1816-T	$\frac{3}{4}$ " I. P.	30.00
1816-R	Rumsey	30.00

BRONZE SEAT

Number	Threaded	Per Dozen
1815-BH	Hustler	\$24.00
1815-BK	$\frac{1}{2}$ " I. P.	24.00
1815-BI	Ideal	24.00
1815-BS	Success	24.00
1815-BT	$\frac{3}{4}$ " I. P.	24.00
1815-BR	Rumsey	24.00

BRONZE SEAT

Number	Threaded	Per Dozen
1816-BH	Hustler	\$30.00
1816-BK	$\frac{1}{2}$ " I. P.	30.00
1816-BI	Ideal	30.00
1816-BS	Success	30.00
1816-BT	$\frac{3}{4}$ " I. P.	30.00
1816-BR	Rumsey	30.00

Bushings and Parts for Ball Cocks Listed on Pages 154-155



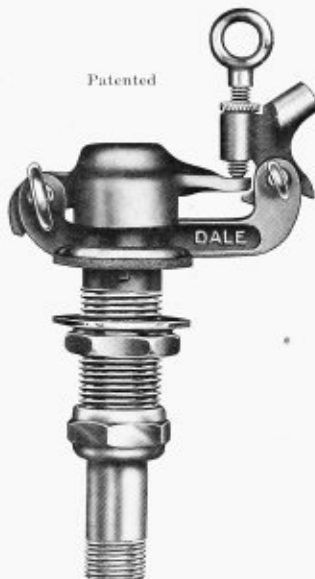
Dale Ball Cocks

RED METAL

SOLID SHANK

Patented

"Dale"
For High Tank
Guaranteed Throughout



"Dale"
For High or Low
Pressure, Sandy
or Alkali Waters

Nickel Plated Lock Nut and Couplings

WITHOUT ROD OR FLOAT

PORCELAIN SEAT

Number	Threaded	Per Dozen
1817-H	Hustler	\$24.00
1817-K	$\frac{1}{2}$ " I. P.	24.00
1817-I	Ideal	24.00
1817-S	Success	24.00
1817-T	$\frac{3}{4}$ " I. P.	24.00
1817-R	Rumsey	24.00

BRONZE SEAT

Number	Threaded	Per Dozen
1817-BH	Hustler	\$24.00
1817-BK	$\frac{1}{2}$ " I. P.	24.00
1817-BI	Ideal	24.00
1817-BS	Success	24.00
1817-BT	$\frac{3}{4}$ " I. P.	24.00
1817-BR	Rumsey	24.00

WITH ROD AND "SOLDERLESS" FLOAT

PORCELAIN SEAT

Number	Threaded	Per Dozen
1818-H	Hustler	\$30.00
1818-K	$\frac{1}{2}$ " I. P.	30.00
1818-I	Ideal	30.00
1818-S	Success	30.00
1818-T	$\frac{3}{4}$ " I. P.	30.00
1818-R	Rumsey	30.00

BRONZE SEAT

Number	Threaded	Per Dozen
1818-BH	Hustler	\$30.00
1818-BK	$\frac{1}{2}$ " I. P.	30.00
1818-BI	Ideal	30.00
1818-BS	Success	30.00
1818-BT	$\frac{3}{4}$ " I. P.	30.00
1818-BR	Rumsey	30.00

Parts for Ball Cocks Listed on Pages 154-155



Dale Ball Cocks

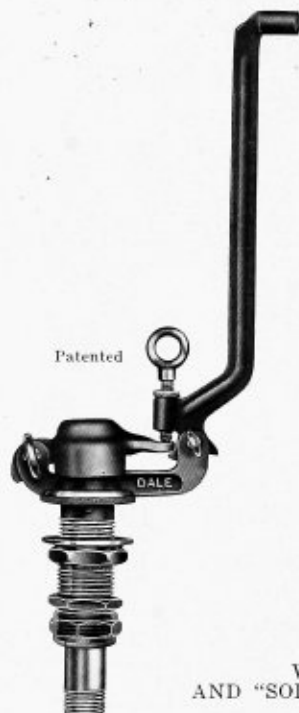
RED METAL

CHANGEABLE BUSHINGS

WITH LONG TRIGGER

"Dale"
For High or Low Tank
Guaranteed Throughout

"Dale"
For High or Low
Pressure, Sandy
or Alkali Waters



WITHOUT
ROD OR FLOAT

PORCELAIN SEAT

Number	Threaded	Per Dozen
1821-H	Hustler	\$27.60
1821-K	$\frac{1}{2}$ " I. P.	27.60
1821-I	Ideal	27.60
1821-S	Success	27.60
1821-T	$\frac{3}{4}$ " I. P.	27.60
1821-R	Rumsey	27.60

BRONZE SEAT

Number	Threaded	Per Dozen
1821-BH	Hustler	\$27.60
1821-BK	$\frac{1}{2}$ " I. P.	27.60
1821-BI	Ideal	27.60
1821-BS	Success	27.60
1821-BT	$\frac{3}{4}$ " I. P.	27.60
1821-BR	Rumsey	27.60

WITH ROD
AND "SOLDERLESS" FLOAT

PORCELAIN SEAT

Number	Threaded	Per Dozen
1822-H	Hustler	\$33.60
1822-K	$\frac{1}{2}$ " I. P.	33.60
1822-I	Ideal	33.60
1822-S	Success	33.60
1822-T	$\frac{3}{4}$ " I. P.	33.60
1822-R	Rumsey	33.60

BRONZE SEAT

Number	Threaded	Per Dozen
1822-BH	Hustler	\$33.60
1822-BK	$\frac{1}{2}$ " I. P.	33.60
1822-BI	Ideal	33.60
1822-BS	Success	33.60
1822-BT	$\frac{3}{4}$ " I. P.	33.60
1822-BR	Rumsey	33.60

Furnished with Nickel Plated Lock and Coupling Nuts

Above Ball Cocks not provided with opening for Refill Tube. Ball Cocks with Refill Tubes Listed on Pages 148-149



Dale Ball Cocks

RED METAL

SOLID SHANK

WITH LONG TRIGGER

"Dale"
For High or Low Tank
Guaranteed Throughout

"Dale"
For High or Low
Pressure, Sandy
or Alkali Waters



WITHOUT
ROD OR FLOAT

WITH ROD
AND "SOLDERLESS" FLOAT

PORCELAIN SEAT

Number	Threaded	Per Dozen
1823-H	Hustler	\$27.60
1823-K	$\frac{1}{2}$ " I. P.	27.60
1823-I	Ideal	27.60
1823-S	Success	27.60
1823-T	$\frac{3}{4}$ " I. P.	27.60
1823-R	Rumsey	27.60

BRONZE SEAT

Number	Threaded	Per Dozen
1823-BH	Hustler	\$27.60
1823-BK	$\frac{1}{2}$ " I. P.	27.60
1823-BI	Ideal	27.60
1823-BS	Success	27.60
1823-BT	$\frac{3}{4}$ " I. P.	27.60
1823-BR	Rumsey	27.60

PORCELAIN SEAT

Number	Threaded	Per Dozen
1824-H	Hustler	\$33.60
1824-K	$\frac{1}{2}$ " I. P.	33.60
1824-I	Ideal	33.60
1824-S	Success	33.60
1824-T	$\frac{3}{4}$ " I. P.	33.60
1824-R	Rumsey	33.60

BRONZE SEAT

Number	Threaded	Per Dozen
1824-BH	Hustler	\$33.60
1824-BK	$\frac{1}{2}$ " I. P.	33.60
1824-BI	Ideal	33.60
1824-BS	Success	33.60
1824-BT	$\frac{3}{4}$ " I. P.	33.60
1824-BR	Rumsey	33.60

Furnished with Nickel Plated Lock and Coupling Nuts

Above Ball Cocks not provided with opening for Refill Tube. Ball Cocks with Refill Tubes Listed on Pages 148-149



Dale Ball Cocks

RED METAL

CHANGEABLE BUSHINGS

WITH LONG TRIGGER AND REFILL TUBE

FOR LOW DOWN TANK

WITHOUT ROD OR FLOAT

PORCELAIN SEAT

Number	Threaded	Per Dozen
1825-H	Hustler . . .	\$30.00
1825-K	$\frac{1}{2}$ " I. P. . . .	30.00
1825-I	Ideal	30.00
1825-S	Success	30.00
1825-T	$\frac{3}{4}$ " I. P.	30.00
1825-R	Rumsey	30.00

BRONZE SEAT

Number	Threaded	Per Dozen
1825-BH	Hustler	\$30.00
1825-BK	$\frac{1}{2}$ " I. P.	30.00
1825-BI	Ideal	30.00
1825-BS	Success	30.00
1825-BT	$\frac{3}{4}$ " I. P.	30.00
1825-BR	Rumsey	30.00

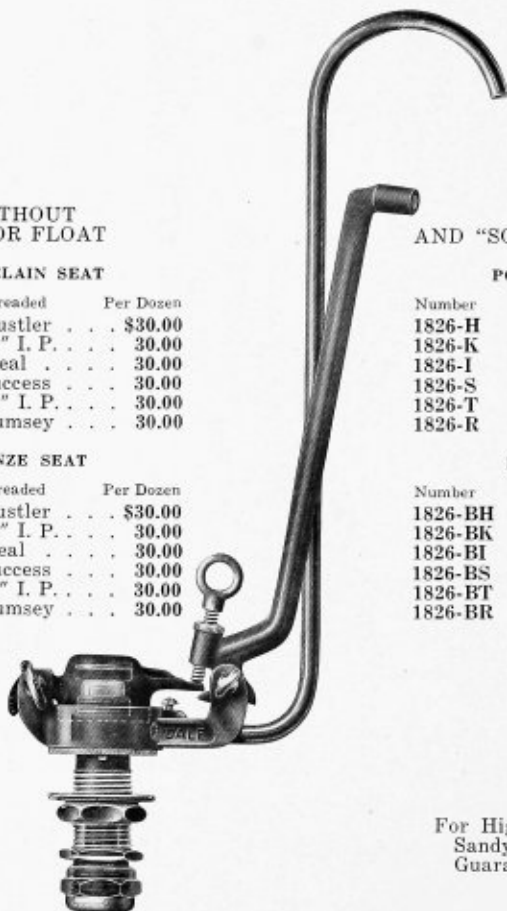
WITH ROD AND "SOLDERLESS" FLOAT

PORCELAIN SEAT

Number	Threaded	Per Dozen
1826-H	Hustler	\$36.00
1826-K	$\frac{1}{2}$ " I. P.	36.00
1826-I	Ideal	36.00
1826-S	Success	36.00
1826-T	$\frac{3}{4}$ " I. P.	36.00
1826-R	Rumsey	30.00

BRONZE SEAT

Number	Threaded	Per Dozen
1826-BH	Hustler	\$36.00
1826-BK	$\frac{1}{2}$ " I. P.	36.00
1826-BI	Ideal	30.00
1826-BS	Success	36.00
1826-BT	$\frac{3}{4}$ " I. P.	36.00
1826-BR	Rumsey	36.00



Patented

"Dale"
For High or Low Pressure
Sandy or Alkali Waters
Guaranteed Throughout

Furnished with Nickel Plated Lock and Coupling Nuts
Bushings and Parts for Ball Cocks Listed on Pages 154-155



Dale Ball Cocks

RED METAL

SOLID SHANK

WITH LONG TRIGGER AND REFILL TUBE

FOR LOW DOWN TANK

WITHOUT
ROD OR FLOAT

PORCELAIN SEAT

Number	Threaded	Per Dozen
1827-H	Hustler . . .	\$30.00
1827-K	$\frac{1}{2}$ " I. P. . . .	30.00
1827-I	Ideal	30.00
1827-S	Success	30.00
1827-T	$\frac{3}{4}$ " I. P.	30.00
1827-R	Rumsey	30.00

BRONZE SEAT

Number	Threaded	Per Dozen
1827-BH	Hustler	\$30.00
1827-BK	$\frac{1}{2}$ " I. P.	30.00
1827-BI	Ideal	30.00
1827-BS	Success	30.00
1827-BT	$\frac{3}{4}$ " I. P.	30.00
1827-BR	Rumsey	30.00

WITH ROD
AND "SOLDERLESS" FLOAT

PORCELAIN SEAT

Number	Threaded	Per Dozen
1828-H	Hustler	\$36.00
1828-K	$\frac{1}{2}$ " I. P.	36.00
1828-I	Ideal	36.00
1828-S	Success	36.00
1828-T	$\frac{3}{4}$ " I. P.	36.00
1828-R	Rumsey	36.00

BRONZE SEAT

Number	Threaded	Per Dozen
1828-BH	Hustler	\$36.00
1828-BK	$\frac{1}{2}$ " I. P.	36.00
1828-BI	Ideal	36.00
1828-BS	Success	36.00
1828-BT	$\frac{3}{4}$ " I. P.	36.00
1828-BR	Rumsey	36.00



Patented

"Dale"
For High or Low Pressure
Sandy or Alkali Waters
Guaranteed Throughout

Furnished with Nickel Plated Lock and Coupling Nuts
Parts for Ball Cocks Listed on Pages 154-155

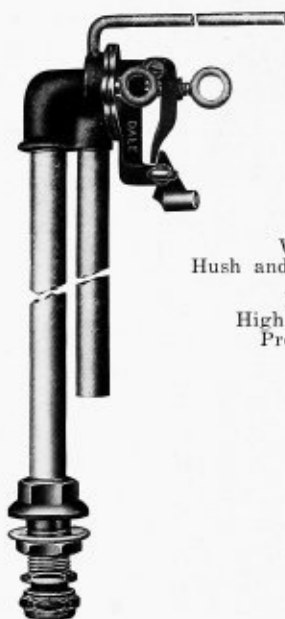


Dale Ball Cocks

RED METAL

CHANGEABLE BUSHINGS

ELEVATED PATTERN



For Low Down Tank
Guaranteed
Throughout

With
Hush and Refill Tube

For
High or Low
Pressure

Patented

Nickel Plated Lock and Coupling Nuts

WITHOUT
ROD OR FLOAT

PORCELAIN SEAT

Number	Threaded	Per Dozen
1829-H	Hustler	\$30.00
1829-K	$\frac{1}{2}$ " I. P.	30.00
1829-I	Ideal	30.00
1829-S	Success	30.00
1829-T	$\frac{3}{4}$ " I. P.	30.00
1829-R	Rumsey	30.00

BRONZE SEAT

Number	Threaded	Per Dozen
1829-BH	Hustler	\$30.00
1829-BK	$\frac{1}{2}$ " I. P.	30.00
1829-BI	Ideal	30.00
1829-BS	Success	30.00
1829-BT	$\frac{3}{4}$ " I. P.	30.00
1829-BR	Rumsey	30.00

WITH ROD
AND "SOLDERLESS" FLOAT

PORCELAIN SEAT

Number	Threaded	Per Dozen
1830-H	Hustler	\$36.00
1830-K	$\frac{1}{2}$ " I. P.	36.00
1830-I	Ideal	36.00
1830-S	Success	36.00
1830-T	$\frac{3}{4}$ " I. P.	36.00
1830-R	Rumsey	36.00

BRONZE SEAT

Number	Threaded	Per Dozen
1830-BH	Hustler	\$36.00
1830-BK	$\frac{1}{2}$ " I. P.	36.00
1830-BI	Ideal	36.00
1830-BS	Success	36.00
1830-BT	$\frac{3}{4}$ " I. P.	36.00
1830-BR	Rumsey	36.00

Bushings and Parts for Ball Cocks Listed on Page 154



Dale Ball Cocks

RED METAL

SOLID SHANK

ELEVATED PATTERN



Patented

For Low Down Tank
Guaranteed
Throughout

With
Hush and Refill Tube
For
High or Low
Pressure

Nickel Plated Lock and Coupling Nuts

WITHOUT
ROD OR FLOAT

PORCELAIN SEAT

Number	Threaded	Per Dozen
1831-K	$\frac{1}{2}$ " I. P.	\$30.00
1831-I	Ideal	30.00
1831-S	Success	30.00
1831-T	$\frac{3}{4}$ " I. P.	30.00

BRONZE SEAT

Number	Threaded	Per Dozen
1831-BK	$\frac{1}{2}$ " I. P.	\$30.00
1831-BI	Ideal	30.00
1831-BS	Success	30.00
1831-BT	$\frac{3}{4}$ " I. P.	30.00

WITH ROD
AND "SOLDERLESS" FLOAT

PORCELAIN SEAT

Number	Threaded	Per Dozen
1832-K	$\frac{1}{2}$ " I. P.	\$36.00
1832-I	Ideal	36.00
1832-S	Success	36.00
1832-T	$\frac{3}{4}$ " I. P.	36.00

BRONZE SEAT

Number	Threaded	Per Dozen
1832-BK	$\frac{1}{2}$ " I. P.	\$36.00
1832-BI	Ideal	36.00
1832-BS	Success	36.00
1832-BT	$\frac{3}{4}$ " I. P.	36.00

Parts for Ball Cocks Listed on Page 154



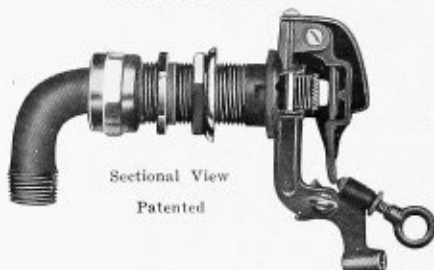
Dale Ball Cocks

RED METAL

CHANGEABLE BUSHINGS

SIDE SUPPLY

Nickel Plated
Lock Nut
and Coupling



For
High or Low
Pressure

Length of Shank $1\frac{1}{8}$ inches

WITHOUT
ROD OR FLOAT

WITH ROD
AND "SOLDERLESS" FLOAT

PORCELAIN SEAT

Number	Nut For	Tail Piece Threaded	Per Doz.
1833-K	$\frac{1}{2}$ " I. P.	$\frac{3}{8}$ " I. P.	\$27.60
1833-I	Ideal	$\frac{3}{8}$ " I. P.	27.60
1833-S	Success	$\frac{3}{8}$ " I. P.	27.60
1833-T	$\frac{3}{4}$ " I. P.	$\frac{1}{2}$ " I. P.	27.60

PORCELAIN SEAT

Number	Nut For	Tail Piece Threaded	Per Doz.
1834-K	$\frac{1}{2}$ " I. P.	$\frac{3}{8}$ " I. P.	\$33.60
1834-I	Ideal	$\frac{3}{8}$ " I. P.	33.60
1834-S	Success	$\frac{3}{8}$ " I. P.	33.60
1834-T	$\frac{3}{4}$ " I. P.	$\frac{1}{2}$ " I. P.	33.60

BRONZE SEAT

Number	Nut For	Tail Piece Threaded	Per Doz.
1833-BK	$\frac{1}{2}$ " I. P.	$\frac{3}{8}$ " I. P.	\$27.60
1833-BI	Ideal	$\frac{3}{8}$ " I. P.	27.60
1833-BS	Success	$\frac{3}{8}$ " I. P.	27.60
1833-BT	$\frac{3}{4}$ " I. P.	$\frac{1}{2}$ " I. P.	27.60

BRONZE SEAT

Number	Nut For	Tail Piece Threaded	Per Doz.
1834-BK	$\frac{1}{2}$ " I. P.	$\frac{3}{8}$ " I. P.	\$33.60
1834-BI	Ideal	$\frac{3}{8}$ " I. P.	33.60
1834-BS	Success	$\frac{3}{8}$ " I. P.	33.60
1834-BT	$\frac{3}{4}$ " I. P.	$\frac{1}{2}$ " I. P.	33.60

SOLID SHANK—SIDE SUPPLY

NUT FOR $\frac{3}{4}$ -INCH IRON PIPE, TAIL PIECE THREADED $\frac{1}{2}$ -INCH IRON PIPE

Length of Shank 3 inches

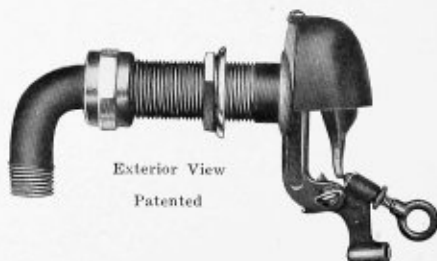
For Watering Trough,
Roof Tanks, etc.

PORCELAIN SEAT

Number	Style	Per Dozen
1833-A	Without Rod or Float	\$32.40
1834-A	With Rod and Float	38.40

BRONZE SEAT

Number	Style	Per Dozen
1833-AB	Without Rod or Float	\$32.40
1834-AB	With Rod and Float	38.40



Parts for Ball Cocks Listed on Pages 154-155



Dale Ball Cocks

RED METAL

CHANGEABLE BUSHINGS

TOP SUPPLY

WITHOUT
ROD OR FLOAT

PORCELAIN SEAT

Number	Threaded	Per Dozen
1835-K	$\frac{1}{2}$ " I. P. . .	\$24.00
1835-I	Ideal	24.00
1835-S	Success	24.00
1835-T	$\frac{3}{4}$ " I. P. . . .	24.00
1835-W	"BB" Ball Cock	24.00

BRONZE SEAT

Number	Threaded	Per Dozen
1835-BK	$\frac{1}{2}$ " I. P. . . .	\$24.00
1835-BI	Ideal	24.00
1835-BS	Success	24.00
1835-BT	$\frac{3}{4}$ " I. P. . . .	24.00
1835-BW	"BB" Ball Cock	24.00

WITH ROD
AND "SOLDERLESS" FLOAT

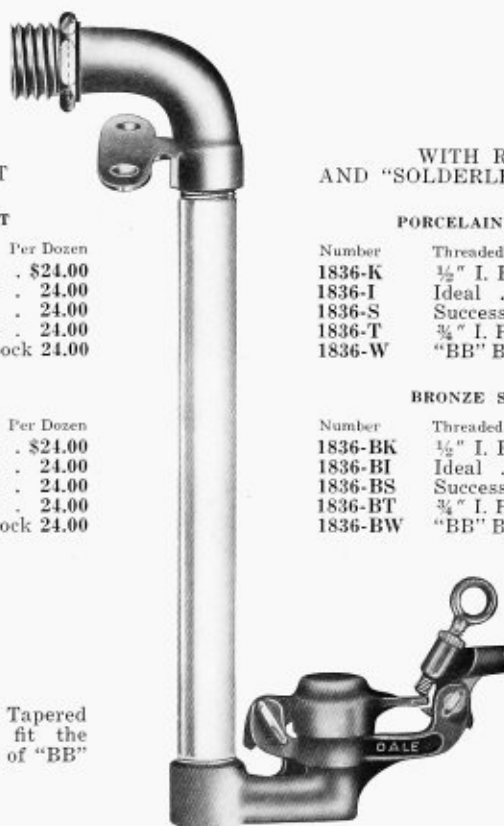
PORCELAIN SEAT

Number	Threaded	Per Dozen
1836-K	$\frac{1}{2}$ " I. P. . . .	\$30.00
1836-I	Ideal	30.00
1836-S	Success	30.00
1836-T	$\frac{3}{4}$ " I. P. . . .	30.00
1836-W	"BB" Ball Cock	30.00

BRONZE SEAT

Number	Threaded	Per Dozen
1836-BK	$\frac{1}{2}$ " I. P. . . .	\$30.00
1836-BI	Ideal	30.00
1836-BS	Success	30.00
1836-BT	$\frac{3}{4}$ " I. P. . . .	30.00
1836-BW	"BB" Ball Cock	30.00

Style "W" Bushing has Tapered Countersunk Seat to fit the Ground Joint Tail Piece of "BB" Ball Cocks



Patented

NOTE

Stand Pipe Tubes regularly furnished are for Tanks 10 inches in depth. Will furnish Tubes for 8 or 9-inch Tanks if so specified

Bent Tail Pieces and Coupling Nuts, Bushings and Parts Listed on Pages 154-155



Dale Bushings

MACHINED

RECESSED FOR PACKING



Number	Outside Diameter of Threads	Number of Threads to the Inch	For	Per Dozen
1837-H	$\frac{3}{4}$ "	18	Hustler Cocks, etc.	\$3.60
1837-K	$\frac{1}{2}$ "	14	$\frac{1}{2}$ " Iron Pipe Size	3.60
1837-I	$\frac{3}{8}$ "	14	Ideal Cocks, etc.	3.60
1837-S	$\frac{1}{2}$ "	14	Success Cocks, etc.	3.60
1837-T	$1\frac{1}{8}$ "	14	$\frac{3}{4}$ " Iron Pipe Size	3.60
1837-R	$1\frac{1}{8}$ "	14	Rumsey Cocks, etc.	3.60
1837-W	$1\frac{1}{8}$ "	14	"BB" Cocks, etc.	3.60

NOTE:—Style "W" Bushing has Tapered Countersunk Seat to fit the Ground Joint Tail Piece of "BB" Ball Cocks

Dale Ball Cock Parts

BENT TAIL PIECES WITH COUPLING NUT

NICKEL PLATED



Number	For Style	Tail Piece Threaded	Per Dozen
1838-K	K	$\frac{3}{8}$ " I. P.	\$4.80
1838-I	I	$\frac{3}{8}$ " I. P.	4.80
1838-S	S	$\frac{3}{8}$ " I. P.	4.80
1838-T	T	$\frac{1}{2}$ " I. P.	4.80

STRAIGHT TAIL PIECES WITH COUPLING NUT

NICKEL PLATED

Number	For Style	Tail Piece Threaded	Per Dozen
1839-K	K	$\frac{3}{8}$ " I. P.	\$3.60
1839-I	I	$\frac{3}{8}$ " I. P.	3.60
1839-S	S	$\frac{3}{8}$ " I. P.	3.60
1839-T	T	$\frac{1}{2}$ " I. P.	3.60



FOR NOS. 1829-1832 DALE ELEVATED

Number	Description	Per Dozen
1840-A	Diaphragm	\$3.60
1840-B	Diaphragm Screw	.70
1840-C	Trigger Screw	.70
1840-D	Lever Screw	.70
1840-E	Adjusting Screw with Nut	1.20
1840-F	Hush Tube	2.40
1840-G	Trigger	2.40

Ball Cock Cups, Seat Caps, etc., Listed on Pages 372-373





Dale Ball Cock Parts



Cap Screw
No. Per Doz.
1841-E . . . \$0.70



Porcelain Seat
No. Per Doz.
1841-F . . . \$2.10



Bronze Seat
No. Per Doz.
1841-G . . . \$2.40



Trigger Screw
No. Per Doz.
1841-H . . . \$0.70



Brass Seat Washer
No. Per Doz.
1841-I . . . \$0.30



Seat Collar
No. Per Doz.
1841-J . . . \$1.20



Top Seat Washer
No. Per Doz.
1841-K . . . \$0.50



Bottom Seat Washer
No. Per Doz.
1841-L . . . \$0.10



Cap
Number Per Dozen
1841-N . . . \$4.80



Trigger Extension
No. Per Doz.
1841-M . . . \$3.60



Adjusting Screw
No. Per Doz.
1841-Q . . . \$1.20



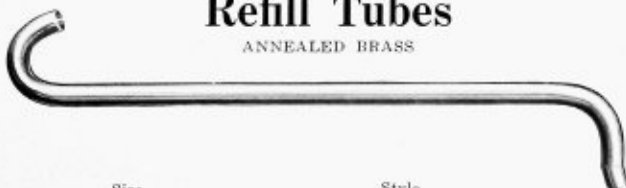
Short Trigger
No. Per Doz.
1841-R . . . \$2.40



Long Trigger
No. Per Doz.
1841-P . . . \$4.80

Refill Tubes

ANNEALED BRASS



Number	Size	Style	Per Dozen
1842-A	$\frac{1}{4}$ "	Long Regular	\$3.60
1842-B	$\frac{1}{4}$ "	Short for Elevated Dale, etc.	2.40
1842-C	$\frac{1}{8}$ "	Long for Low Down Dale, etc.	4.80

Ball Cock Cups, Seat Caps, etc., Listed on Pages 372-373

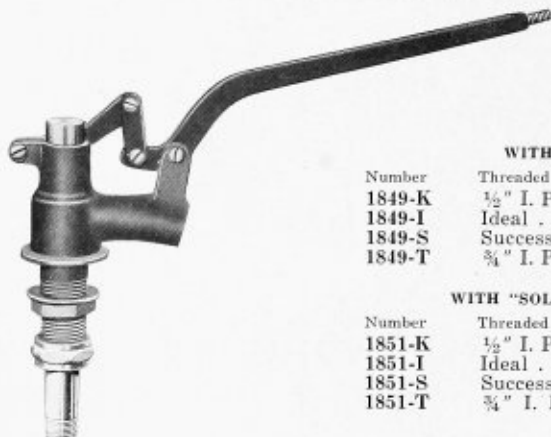


Compound Lever Ball Cocks

RED METAL

SOLID SHANK

WOLFF PATTERN—WITH CAST BRASS ROD



WITHOUT FLOAT

Number	Threaded	Per Dozen
1849-K	$\frac{1}{2}$ " I. P.	\$27.60
1849-I	Ideal	27.60
1849-S	Success	27.60
1849-T	$\frac{3}{4}$ " I. P.	27.60

WITH "SOLDERLESS" FLOAT

Number	Threaded	Per Dozen
1851-K	$\frac{1}{2}$ " I. P.	\$32.40
1851-I	Ideal	32.40
1851-S	Success	32.40
1851-T	$\frac{3}{4}$ " I. P.	32.40

TOP SUPPLY

WITH CAST BRASS FLOAT ROD

WITHOUT FLOAT

Number	Nut For	Tall Piece Threaded	Per Dozen
1855-K	$\frac{1}{2}$ " I. P.	$\frac{3}{8}$ " I. P.	\$27.60
1855-I	Ideal	$\frac{3}{8}$ " I. P.	27.60
1855-S	Success	$\frac{3}{8}$ " I. P.	27.60
1855-T	$\frac{3}{4}$ " I. P.	$\frac{1}{2}$ " I. P.	27.60

WITH "SOLDERLESS" FLOAT

Number	Nut For	Tall Piece Threaded	Per Dozen
1856-K	$\frac{1}{2}$ " I. P.	$\frac{3}{8}$ " I. P.	\$32.40
1856-I	Ideal	$\frac{3}{8}$ " I. P.	32.40
1856-S	Success	$\frac{3}{8}$ " I. P.	32.40
1856-T	$\frac{3}{4}$ " I. P.	$\frac{1}{2}$ " I. P.	32.40



NOTE

Furnished regularly with Cast Rod threaded $\frac{1}{4}$ inch. Rod furnished with Wolff Thread if specified

Cast Brass Trigger

FOR COMPOUND LEVER BALL COCKS



Number	Per Dozen
1858	\$4.80

Ball Cock Cups, Seat Caps, etc., Listed on Pages 372-373

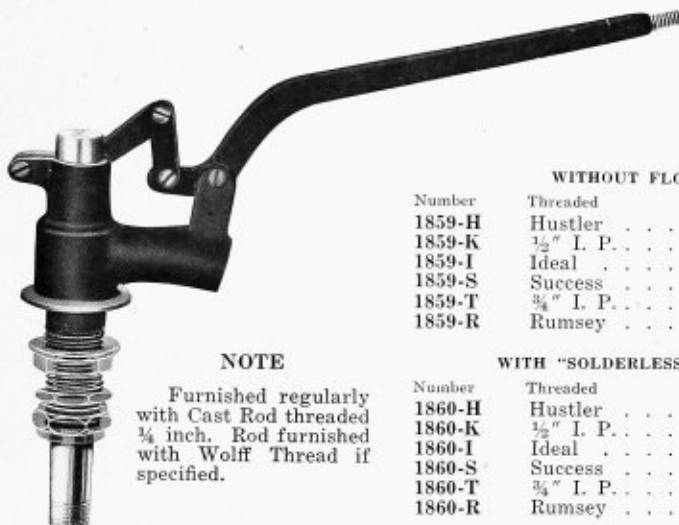


Compound Lever Ball Cocks

RED METAL

CHANGEABLE BUSHINGS

WOLFF PATTERN—WITH CAST BRASS ROD



NOTE

Furnished regularly with Cast Rod threaded $\frac{1}{4}$ inch. Rod furnished with Wolff Thread if specified.

WITHOUT FLOAT

Number	Threaded	Per Dozen
1859-H	Hustler	\$27.60
1859-K	$\frac{1}{2}$ " I. P.	27.60
1859-I	Ideal	27.60
1859-S	Success	27.60
1859-T	$\frac{3}{4}$ " I. P.	27.60
1859-R	Rumsey	27.60

WITH "SOLDERLESS" FLOAT

Number	Threaded	Per Dozen
1860-H	Hustler	\$32.40
1860-K	$\frac{1}{2}$ " I. P.	32.40
1860-I	Ideal	32.40
1860-S	Success	32.40
1860-T	$\frac{3}{4}$ " I. P.	32.40
1860-R	Rumsey	32.40

WOLFF PATTERN FOR REGULAR FLOAT ROD

WITHOUT ROD OR FLOAT

Number	Threaded	Per Doz.
1864-H	Hustler	\$25.20
1864-K	$\frac{1}{2}$ " I. P.	25.20
1864-I	Ideal	25.20
1864-S	Success	25.20
1864-T	$\frac{3}{4}$ " I. P.	25.20
1864-R	Rumsey	25.20

WITH ROD AND "SOLDERLESS" FLOAT

Number	Threaded	Per Doz.
1865-H	Hustler	\$31.20
1865-K	$\frac{1}{2}$ " I. P.	31.20
1865-I	Ideal	31.20
1865-S	Success	31.20
1865-T	$\frac{3}{4}$ " I. P.	31.20
1865-R	Rumsey	31.20



For Regular Float Rods see Page 162

All above Ball Cocks have Changeable Bushing.

Ball Cock Parts

FULCRUM



Number	Per Doz.
1866-A	\$2.40

DOUBLE LINK



Number	Per Doz.
1866-B	\$2.40

LEVER



Number	Per Doz.
1866-C	\$2.40

Ball Cock Cups, Seat Caps, etc., Listed on Pages 372-373



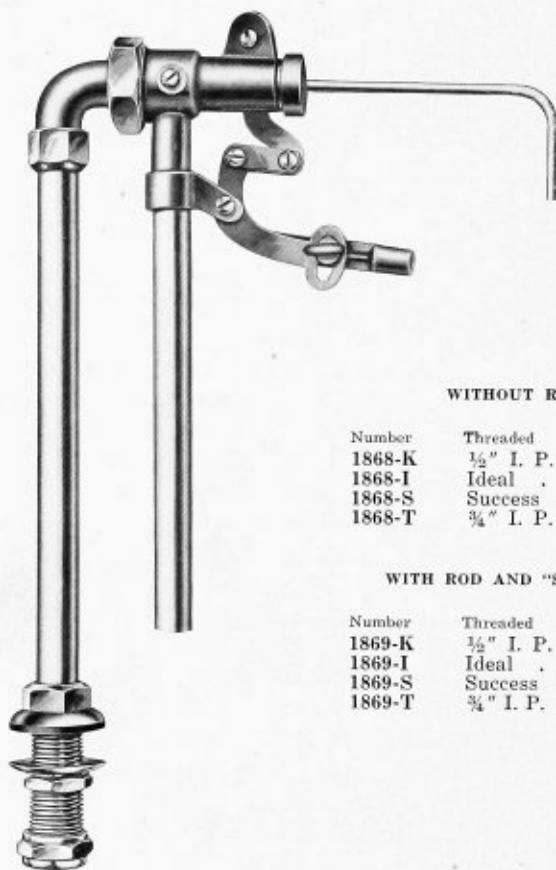
Compound Lever Ball Cocks

RED METAL

SOLID SHANK

ELEVATED PATTERN

FOR LOW DOWN TANK



WITHOUT ROD OR FLOAT

Number	Threaded	Per Dozen
1868-K	$\frac{1}{2}$ " I. P.	\$31.20
1868-I	Ideal	31.20
1868-S	Success	31.20
1868-T	$\frac{3}{4}$ " I. P.	31.20

WITH ROD AND "SOLDERLESS" FLOAT

Number	Threaded	Per Dozen
1869-K	$\frac{1}{2}$ " I. P.	\$37.20
1869-I	Ideal	37.20
1869-S	Success	37.20
1869-T	$\frac{3}{4}$ " I. P.	37.20

Union Nut at top of Ball Cock makes it easy to disconnect and repack.
Positive adjustment for Height of Float.
The body is tapped so that the Refill Tube may be placed on either side.

Compound Lever Ball Cocks

RED METAL

CHANGEABLE BUSHINGS

ELEVATED PATTERN

FOR LOW DOWN TANK



WITHOUT ROD OR FLOAT

Number	Threaded	Per Dozen
1870-H	Hustler	\$31.20
1870-K	$\frac{1}{2}$ " I. P.	31.20
1870-I	Ideal	31.20
1870-S	Success	31.20
1870-T	$\frac{3}{4}$ " I. P.	31.20
1870-R	Rumsey	31.20

WITH ROD AND "SOLDERLESS" FLOAT

Number	Threaded	Per Dozen
1871-H	Hustler	\$37.20
1871-K	$\frac{1}{2}$ " I. P.	37.20
1871-I	Ideal	37.20
1871-S	Success	37.20
1871-T	$\frac{3}{4}$ " I. P.	37.20
1871-R	Rumsey	37.20

Union Nut at top of Ball Cock makes it easy to disconnect and repack.
Positive adjustment for Height of Float.
The body is tapped so that the Refill Tube may be placed on either side.

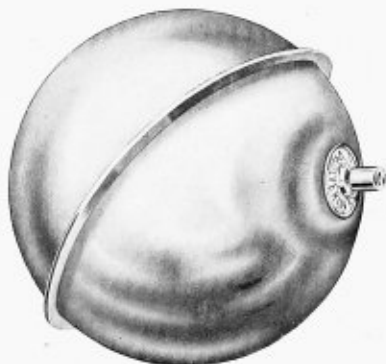


Wolverine Kantleak Floats

HEAVY COPPER

ABSOLUTELY SOLDERLESS

Patented



ROUND EXTRA QUALITY SPUN

CAST BRASS SPUD

$\frac{1}{4}$ "-22 THREAD

Number	Size	Per Dozen
1886	4"	\$5.50
1888	5"	6.00

WOLFF THREAD

Number	Size	Per Dozen
1886-W	4"	\$5.50
1888-W	5"	6.00

Sectional View

Positively No Solder

Used inside or outside in the Patented Construction of Kantleak Floats.

The Red Metal Cast Brass Spuds are swedged on the inside, to withstand acid or alkali waters.

The integral double copper seam is reinforced entirely across the diameter of Float, serving the double purpose of strengthening and dividing Float into two separate air-tight compartments, positively preventing the ball cock from flooding if by accident or long years of usage a leakage should occur.



Location of Spud prevents seam from striking and denting lining of high tanks.



OVAL EXTRA QUALITY SPUN

CAST BRASS SPUD

$\frac{1}{4}$ "-22 THREAD

Number	Size	Per Dozen
1889	4" x 5"	\$5.50
1890	5" x 6"	8.40

WOLFF THREAD

Number	Size	Per Dozen
1889-W	4" x 5"	\$5.50
1890-W	5" x 6"	8.40

Heavy partitioned boxes used in the packing of our Floats

Wolverine "No-Sol" Float

CORRUGATED COPPER

SOLDERLESS

Patented

PRESSED

OVAL 8 OZ.

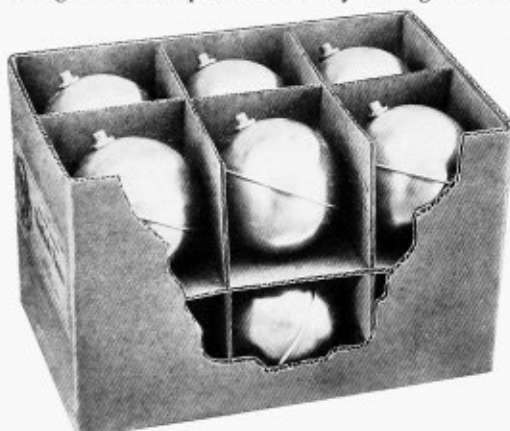
Number	Size	Per Dozen
1893	4" x 5"	\$5.00

ROUND 8 OZ.

Number	Size	Per Dozen
1894	5"	\$5.50



Illustration showing our Floats packed in Heavy Corrugated Partitioned Boxes



Packed in Dozens

Float Rod Connections

FOR STANDARD AND OVERSIZE FLOATS AND RODS



Cuts Full Size

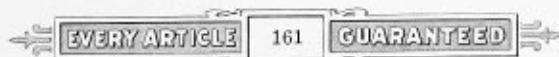


Number	Threaded Outside	Tapped Inside	Per Dozen
1895-A	$\frac{1}{8}$ "	$\frac{1}{4}$ "	\$1.20
1895-B	$\frac{1}{8}$ " I. P. Size	$\frac{1}{4}$ "	1.20

Number	Tapped Inside	Threaded Outside	Per Dozen
1896-A	$\frac{1}{8}$ "	$\frac{1}{4}$ "	\$1.20
1896-B	$\frac{1}{8}$ " I. P. Size	$\frac{1}{4}$ "	1.20



Number	Tapped	Per Dozen
1897	$\frac{1}{4}$ "	\$0.70





Float Rods

BRASS

REGULAR PATTERN



THREADED 14-22

Number	1898	1899	1900	1901
Length	6"	7"	9"	10"
Per Dozen	\$1.00	\$1.10	\$1.40	\$1.60

"CUT OFF" PATTERN



THREADED 14-22

Number	1902-C	1902-E	1902-G	1902-I
Length	8"	10"	12"	14"
Per Dozen	\$1.20	\$1.60	\$2.00	\$2.40

Short thread for rigid Ball Cock connection and long running thread at Float end for adjustment.

"CUT OFF" PATTERN—BENT



THREADED 14-22

Number	Length	Per Dozen
1903	10 1/2"	\$2.40

REINFORCED PATTERN

CAST BRASS



THREADED 14-22

Number	1904-A	1904-B	1904-C	1904-D
Length	6"	7"	8"	9"
Per Dozen	\$1.50	\$1.60	\$1.70	\$1.90

This Rod is made from high grade Red Metal to withstand acid and alkali waters. Fluting insures stiffness.



Adjustable Guides

CAST BRASS

FOR TANK VALVES

Patented

REGULAR PATTERN



Number	For Guide Wire	For Stand Pipe	Per Dozen
1905-A	$\frac{1}{8}$ "	1"	\$4.00
1905-B	$\frac{1}{8}$ "	$1\frac{1}{8}$ "	4.00

SECTIONAL PATTERN

Number	For Guide Wire	For Stand Pipe	Per Dozen
1906-A	$\frac{1}{8}$ "	1"	\$5.00
1906-B	$\frac{1}{8}$ "	$1\frac{1}{8}$ "	5.00
1906-C	$\frac{1}{8}$ "	$1\frac{1}{4}$ "	6.00
1906-D	$\frac{1}{8}$ "	$1\frac{3}{8}$ "	7.00



Low Down Tank Lever

CAST BRASS



Number	Per Dozen
1907	\$3.60

High Tank Lever

JAPANNED

ADJUSTABLE



Number	Per Dozen
1908	\$4.80

Adjustable to any required position and will attach to tanks 8, 9 or 10 inches wide.



Tank Valves

SUCCESS SYPHON

COPPER CONE



Number	Size	Style	Each
1910-A	1 1/4"	Syphon only	\$1.60
1910-B	1 1/4"	With Seat and Nut for Tail Piece	2.20
1910-C	1 1/4"	With Seat and Nut for 1 1/4" Flush Pipe	2.20
1910-D	1 1/4"	With Seat, Nut and Tail Piece	2.30
1911-A	1 1/2"	Syphon only	1.90
1911-B	1 1/2"	With Seat and Nut for Tail Piece	2.90
1911-C	1 1/2"	With Seat and Nut for 1 1/2" Flush Pipe	2.90
1911-D	1 1/2"	With Seat, Nut and Tail Piece	3.00

SYPHON SEAT AND COUPLING NUT



Number	Size	Hole in Nut For	Each
1913-A	1 1/4"	Tail Piece	\$0.90
1913-B	1 1/4"	1 1/4" Flush Pipe	.90
1913-C	1 1/2"	Tail Piece	1.30
1913-D	1 1/2"	1 1/2" Flush Pipe	1.30

SYPHON SEAT COUPLING NUT AND TAIL PIECE



Nickel Plated
Exposed Parts

Number	Size	Each
1914-A	1 1/4"	\$1.00
1914-B	1 1/2"	1.40

GOOSENECK SYPHON

GALVANIZED

Number	Size	Style	Each
1915-A	1 1/4"	Syphon only	\$1.30
1915-B	1 1/4"	With Seat and Nut for Tail Piece	1.90
1915-C	1 1/4"	With Seat and Nut for 1 1/4" Flush Pipe	1.90
1915-D	1 1/4"	With Seat, Nut and Tail Piece	2.00
1916-A	1 1/2"	Syphon only	1.60
1916-B	1 1/2"	With Seat and Nut for Tail Piece	2.60
1916-C	1 1/2"	With Seat and Nut for 1 1/2" Flush Pipe	2.60
1916-D	1 1/2"	With Seat, Nut and Tail Piece	2.70



—NOTE—

Nuts on seats for cast tail pieces have 1 1/8-inch hole on 1 1/4-inch size and 1 3/8-inch hole on 1 1/2-inch size.



Ball Flush Valves

FOR HIGH TANK

Patented



WITH ADJUSTABLE GUIDE

Number	Size	Style	Each
1925-A	1 1/4"	With Coupling Nut for Tail Piece	\$2.50
1925-B	1 1/4"	With Coupling Nut for 1 1/4" Flush Pipe	2.50
1926-A	1 1/2"	With Coupling Nut for Tail Piece	3.00
1926-B	1 1/2"	With Coupling Nut for 1 1/2" Flush Pipe	3.00

TAIL PIECES



FOR TANK VALVES

Number	Size	Diameter	Each
1927-A	1 1/4"	1 1/2"	\$0.20
1927-B	1 1/2"	1 3/4"	.25

FOR LOW DOWN TANK

WITH ADJUSTABLE GUIDE

Number	Size of Flush	Diameter of Ball	Each
1928	2"	2 1/8"	\$2.00

Extra Large Flush for Syphon Jet Closets.

Length of Stand Pipe is 14 inches from bottom of Tank to end of Tube. Diameter of Stand Pipe, 1 1/2 inches.

See Pages 172-173 for 2-inch Elbows.

Tank Balls Listed on Pages 338-341





Wolverine Push Button

HEAVY BRASS NIQUELED

PEARL TOP

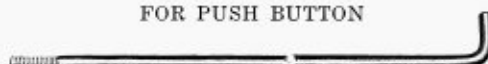


Number	Per Dozen
1938 With Screws.	\$8.40

Connecting Wire

STEEL

FOR PUSH BUTTON



Number	Size	Length	Per Dozen
1940	1/4"	11 1/2"	\$1.50

Rod Links

BRASS NIQUELED

FOR CLOSET PULLS, GUIDES, ETC.



Number	Length	Diameter	For	Per Link
1942	12"	1/8"	High Tanks.	\$0.20
1943	6"	1/8"	Low Tanks.	.10

Pull Guide

BRASS NIQUELED

Number	Per Dozen
1944	\$14.40



Wolverine Closet Pulls

BRASS NICKELED TRIMMINGS



EBONIZED



Nickel Plated Chain
"S" Hooks and Split Links
Listed on Pages 268-269

OAK



Number
1945 Per Dozen \$1.20

Number
1946 Per Dozen \$1.50

OAK
WITH RUBBER FENDER



Highly Nickel Finished
Parts securely attached to
Pulls.

SOLID PORCELAIN
HEAVY TRIMMINGS



Number
1947 Per Dozen \$2.50

Number
1950 Per Dozen \$14.40



Adjustable Pipe Supports

HEAVY BRASS NICKELED

LONG SECTIONAL PATTERN



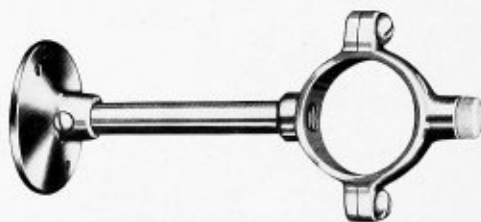
FOR IRON PIPE SIZE

Number	1955	1956
Size	$\frac{3}{8}$ "	$\frac{1}{2}$ "
Per Dozen	\$5.40	\$5.50

WITH BUMPER

FOR OUTSIDE
DIAMETER OF TUBE

Number	1961	1963
Size	$1\frac{1}{4}$ "	$1\frac{1}{2}$ "
Per Dozen	\$7.20	\$7.60



LONG REGULAR PATTERN



FOR IRON PIPE SIZE

Number	1975	1976
Size	$\frac{3}{8}$ "	$\frac{1}{2}$ "
Per Dozen	\$3.40	\$3.50

WITH BUMPER

FOR OUTSIDE
DIAMETER OF TUBE

Number	1981	1983
Size	$1\frac{1}{4}$ "	$1\frac{1}{2}$ "
Per Dozen	\$5.00	\$5.50



Extreme adjustment, back of Pipe to wall, $3\frac{1}{4}$ inches.
Shortest adjustment, back of Pipe to wall, $\frac{7}{8}$ inch.



Pipe Straps

BRASS NICKELED

SINGLE—PLAIN

FOR IRON PIPE SIZE



Number	2000	2001	2002
Size	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "
Per Dozen	\$1.30	\$1.40	\$1.50

FOR OUTSIDE DIAMETER OF TUBE

Number	2005	2006	2007	2009
Size	$\frac{1}{2}$ "	$\frac{5}{8}$ "	$1\frac{1}{4}$ "	$1\frac{1}{2}$ "
Per Dozen	\$1.00	\$1.20	\$1.70	\$2.00

SINGLE—WITH BUMPER

FOR OUTSIDE
DIAMETER OF TUBE

Number	2015	2017
Size	$1\frac{1}{4}$ "	$1\frac{1}{2}$ "
Per Dozen	\$2.00	\$2.50



DOUBLE—PLAIN



No.	Supply	Flush	Per Doz.
2021	$\frac{3}{8}$ " I. P. Size	$1\frac{1}{4}$ " O. D. Tube	\$2.60

DOUBLE—WITH BUMPER

No.	Supply	Flush	Per Doz.
2026	$\frac{3}{8}$ " I. P. Size	$1\frac{1}{4}$ " O. D. Tube	\$3.00



Straps furnished with hole for Number 8 Screw.
Nickel Plated Screws Listed on Page 296
Extra Bumpers for Pipe Straps Listed on Page 343



Wolverine Flush Pipes

BRASS NICKELED

FOR HIGH TANKS



Flush Pipes are furnished without Nuts unless otherwise ordered.

Nickel Plated Nuts Listed on Page 99

Nickel Plated Supports and Pipe Straps Listed on Pages 168-169

Length, 5½ feet.

STRAIGHT FLUSH PIPES

Number	Size	Diameter of Collar	Each
2030	1¼"	1⅞" O. D.	\$2.00
2032	1½"	2" O. D.	2.60

OFFSET FLUSH PIPES

Number	Size	Offset	Diameter of Collar	Each
2035-B	1¼"	2" Back to Center	1⅞" O. D.	\$2.10
2035-E	1¼"	3" Back to Center	1⅞" O. D.	2.10
2035-H	1¼"	3½" Back to Center	1⅞" O. D.	2.10
2035-J	1¼"	4" Back to Center	1⅞" O. D.	2.10
2037-E	1½"	3" Back to Center	2" O. D.	2.70
2037-H	1½"	3½" Back to Center	2" O. D.	2.70

For Special Flush Pipes and Offsets, see Discount Sheet



Wolverine Supply Pipes

BRASS NICKELED

FOR HIGH TANKS

STRAIGHT SUPPLY PIPES

Number	Size	Diameter of Collar	Each
2040 . . .	$\frac{3}{8}$ " Wolv. Stand. I. P. Size . . .	$\frac{1}{2}$ " . . .	\$2.60
2041 . . .	$\frac{3}{8}$ " Ex. Heavy I. P. Size . . .	$\frac{1}{2}$ " . . .	3.50

OFFSET SUPPLY PIPES

BACK TO CENTER 7 INCHES

Number	Size	Diameter of Collar	Each
2042 . . .	$\frac{3}{8}$ " Wolv. Stand. I. P. Size . . .	$\frac{1}{2}$ " . . .	\$2.80
2043 . . .	$\frac{3}{8}$ " Ex. Heavy I. P. Size . . .	$\frac{1}{2}$ " . . .	3.70

Length, 7 feet

Furnished without Nuts unless otherwise ordered

Nickel Plated Nuts Listed on Page 99

Nickel Plated Supports and Pipe Straps Listed on

Pages 168-169

HANDY SUPPLY

FOR HIGH OR LOW TANK

Top provided with rubber Gasket and brass Friction Ring to fit nut on Ball Cock

Furnished as shown without Ball Cock Nut unless otherwise ordered

Wall end has Slip Joint connection for $\frac{3}{8}$ -inch Iron Pipe
Supply is $\frac{3}{8}$ -inch Iron Pipe size annealed tube
End to Center $4\frac{1}{2} \times 4\frac{1}{2}$ inches

Number	For Nut	Each
2044-K . . .	$\frac{1}{2}$ " I. P.	\$0.50
2044-I . . .	Ideal	.50
2044-S . . .	Success	.50
2044-T . . .	$\frac{3}{4}$ " I. P.	.50

FOR LOW DOWN TANK

$\frac{3}{8}$ -INCH OUTSIDE DIAMETER

WITH COUPLING NUT FOR $\frac{1}{2}$ -INCH IRON PIPE AT FLOOR AND EXTRA DEEP FLANGE

Number	Size	Length	Each
2049	$\frac{3}{8}$ " O. D.	21"	\$0.90

THREADED $\frac{3}{8}$ -INCH IRON PIPE

LESS NUT AND FLANGE

Number	Size	Length	Each
2050	$\frac{3}{8}$ " Wolv. Stand. I. P. Size . . .	17"	\$0.70
2051	$\frac{3}{8}$ " Ex. Heavy I. P. Size . . .	17"	.84
2052	$\frac{3}{8}$ " Wolv. Stand. I. P. Size . . .	21"	.80
2053	$\frac{3}{8}$ " Ex. Heavy I. P. Size . . .	21"	1.00
2054	$\frac{3}{8}$ " Wolv. Stand. I. P. Size . . .	26"	1.04
2055	$\frac{3}{8}$ " Ex. Heavy I. P. Size . . .	26"	1.24



Closet Elbows

BRASS NICKELED

REGULAR PATTERN

Number	Nuts for Closet Spud	Slip Joint For Flush	Length	Per Doz.
2060-A	1 1/4"	1 1/4"	4"	\$ 7.20
2060-B	1 1/4"	1 1/4"	5"	7.60
2060-C	1 1/4"	1 1/4"	6"	8.00
2060-D	1 1/4"	1 1/4"	7"	8.60
2060-E	1 1/4"	1 1/4"	8"	9.40
2060-F	1 1/4"	1 3/8"	4"	7.20
2060-G	1 1/4"	1 3/8"	6"	8.00
2060-J	1 1/4"	1 1/2"	4"	8.40
2060-L	1 1/4"	1 1/2"	6"	9.20
2061-A	1 1/2"	1 1/2"	4"	12.00
2061-C	1 1/2"	1 1/2"	6"	14.00

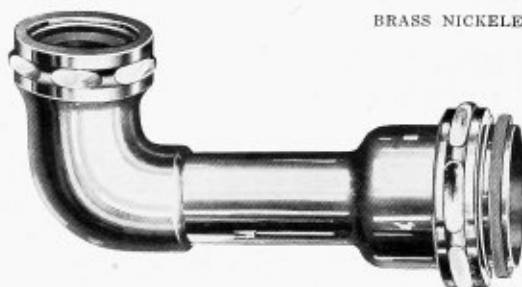


Nuts, Cast Brass. Bends are drawn from Heavy Tubing.

Low Down Closet Connections

BRASS NICKELED

REDUCING ELBOWS



No.	Size	Length	Style	Each
2063-A	2"x1 1/4"	4"	With 2" Nut	\$1.40
2063-B	2"x1 1/4"	4"	Without 2" Nut	1.25
2063-D	2"x1 1/2"	6"	With 2" Nut	1.50
2063-F	2"x1 1/2"	6"	Without 2" Nut	1.35
2063-H	2"x1 1/2"	4"	With 2" Nut	1.60
2063-J	2"x1 1/2"	4"	Without 2" Nut	1.45
2063-L	2"x1 1/2"	6"	With 2" Nut	1.75
2063-N	2"x1 1/2"	6"	Without 2" Nut	1.60

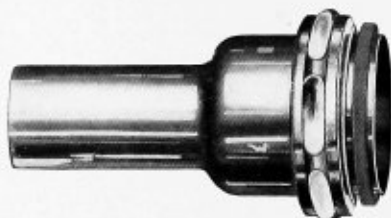
For use to connect Low-Down Bowl with Flush of High Tank

STRAIGHT CONNECTIONS

REDUCING

Number	Size	Length	Style	Each
2064-A	2"x1 1/4"	4 1/2"	With Nut	\$0.60
2064-B	2"x1 1/4"	4 1/2"	Without Nut	.45
2064-H	2"x1 1/2"	4 1/2"	With Nut	.70
2064-J	2"x1 1/2"	4 1/2"	Without Nut	.55

Two-inch nickel plated Slip Joint Nut for connection to spud on Low-down Bowl and Tube reduced to 1 1/4 or 1 1/2 inch to connect to a regular Rubber Closet Elbow.



TWO-INCH CONNECTIONS

STRAIGHT



Number	Length	Style	Each
2065-A	6"	With Nuts	\$0.90
2065-B	6"	Without Nuts	.60



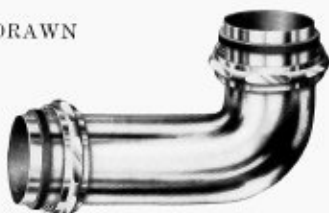
Two-Inch Flush Elbows

HEAVY BRASS NICKELED

FOR LOW DOWN TANK

REGULAR LENGTH—DRAWN

Number	Length	Style	Each
2067-A	3 1/4" x 6"	C. to E. With Nuts . .	\$1.30
2067-B	3 1/4" x 6"	C. to E. Without Nuts	1.00
2067-F	4" x 8"	C. to E. With Nuts . .	1.60
2067-G	4" x 8"	C. to E. Without Nuts	1.30



EXTRA LONG (ELBOW CAST)

Number	Length	Style	Each
2068-C	6" x 8" C. to E.	With Nuts . .	\$1.80
2068-D	6" x 8" C. to E.	Without Nuts	1.50
2068-F	6" x 10" C. to E.	With Nuts . .	2.00
2068-G	6" x 10" C. to E.	Without Nuts	1.70
2068-I	8" x 12" C. to E.	With Nuts . .	2.40
2068-J	8" x 12" C. to E.	Without Nuts	2.10

Two-Inch Flush Offsets

HEAVY BRASS NICKELED

FOR LOW DOWN TANK



WITH NUTS

Number	Offset	Each
2070-A	1/2"	\$1.30
2070-B	3/4"	1.30
2070-C	1"	1.30
2070-D	1 1/4"	1.40
2070-E	1 1/2"	1.50
2070-F	1 3/4"	1.60
2070-G	2"	1.70
2070-I	2 1/2"	1.90
2070-K	3"	2.10
2070-M	3 1/2"	2.30
2070-P	4"	2.50

WITHOUT NUTS

Number	Offset	Each
2071-A	1/2"	\$1.00
2071-B	3/4"	1.00
2071-C	1"	1.00
2071-D	1 1/4"	1.10
2071-E	1 1/2"	1.20
2071-F	1 3/4"	1.30
2071-G	2"	1.40
2071-I	2 1/2"	1.60
2071-K	3"	1.80
2071-M	3 1/2"	2.00
2071-P	4"	2.20

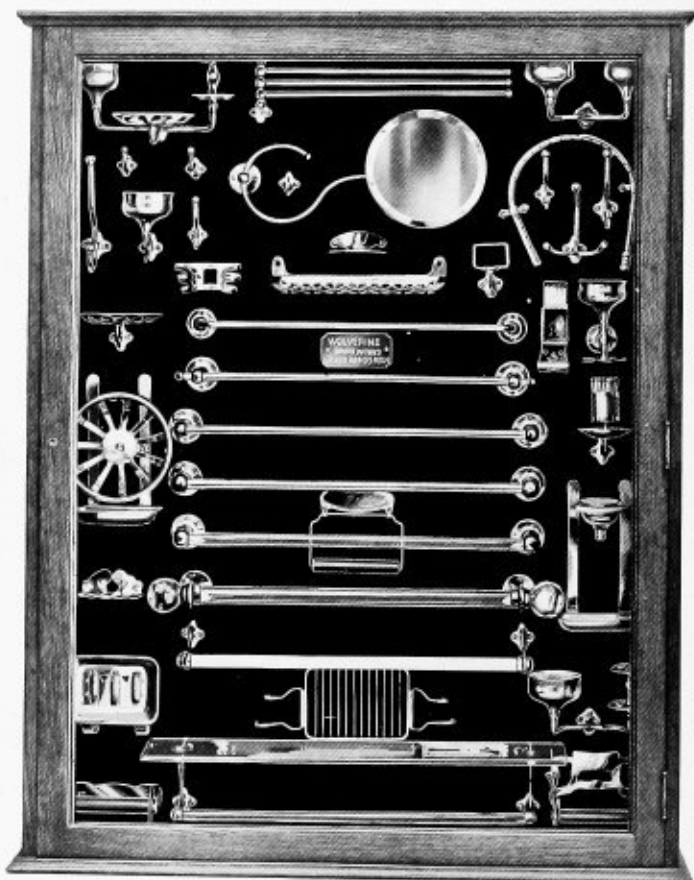
Drawn perfectly smooth and true to size from Heavy Seamless Brass Tubing. Nuts are Heavy Cast Brass



Wolverine Display Cabinet

WITH
ASSORTMENT "B"

Solid Quarter-sawed Oak, finished, polished and lined.
Clear double strength glass. Door has brass hinges and Yale lock complete.
Each fixture has number tag with space for price.

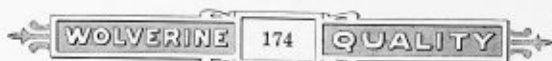


DIMENSIONS 48 X 36 X 8 1/2 INCHES

Assortment

"B" Cabinet with Fixtures complete Each \$73.50

For List of Assortments, see Discount Sheet
"Bath Room Fixtures, a Pleasing Display"



Wolverine Display Cabinet

WITH
ASSORTMENT "D"



Solid Quarter-sawed Oak, finished, polished and lined.
Clear double strength glass. Door has brass hinges and Yale lock complete.
Each fixture has number tag with space for price.



DIMENSIONS 48 X 36 X 8½ INCHES

Assortment

"D" Cabinet with Fixtures complete Each \$96.00

For List of Assortments, see Discount Sheet
"A Line Well Worth Showing"



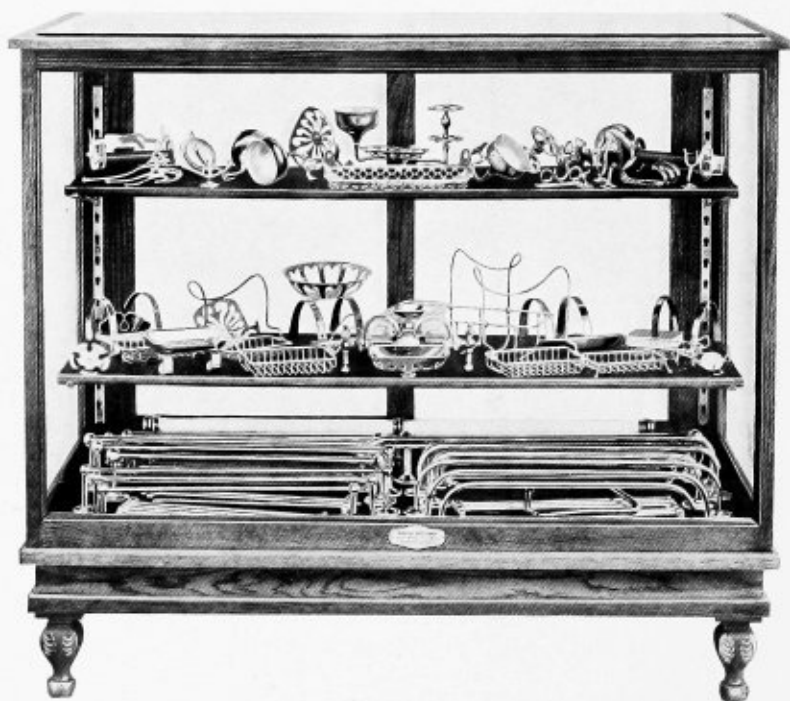


Wolverine Display Show Case

WITH

ASSORTMENT "G"

Solid Quarter-sawed Oak Frame, finished and polished inside and outside.
 Half inch beveled, polished Plate Glass Top.
 Clear double strength glass on four sides.
 Two ball bearing, sliding glass doors.
 Adjustable nickeled brackets for display shelves. Bottom and shelves felt lined.



DIMENSIONS 48 X 42 X 25 1/2 INCHES

Assortment

"G" Case with Fixtures complete Each \$138.00

For List of Fixtures, see Discount Sheet

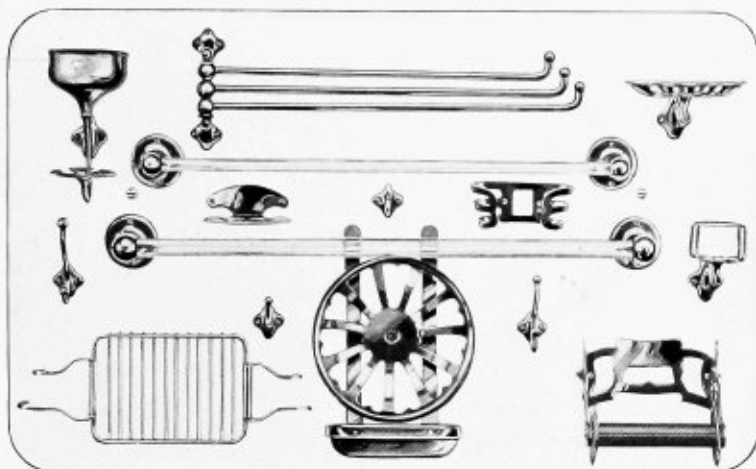
Nickel Brass Screws Included

"Goods well displayed are half sold"

Wolverine Display Panels

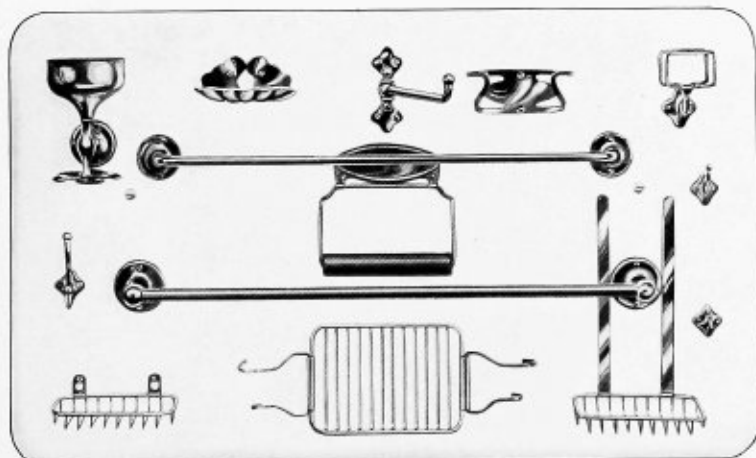
WHITE ENAMELED

ASSORTMENT "J"



Assortment "J" Complete as shown Each \$13.40

ASSORTMENT "M"



Assortment "M" Complete as shown Each \$8.40

For list of Fixtures, see Discount Sheet
Nicked Brass Screws Included
"A very neat display for wall or window"

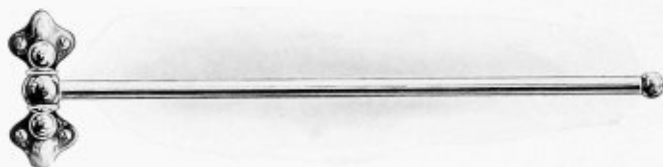


Swinging Towel Brackets

BRASS NICKELED

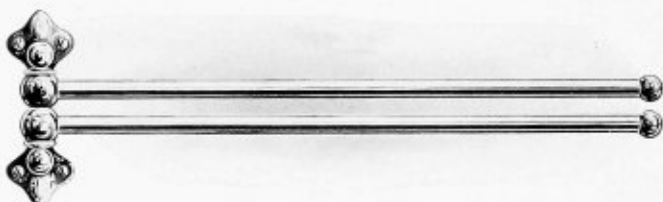
FOR BATH-ROOM, CHAMBER OR KITCHEN

ONE BAR



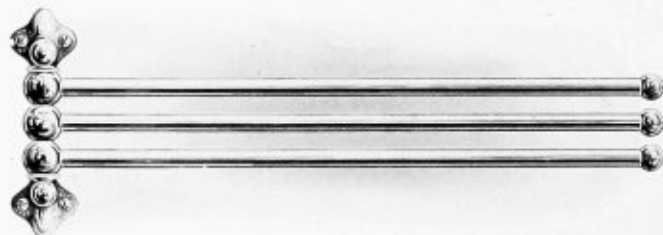
Number	Size	Length	Per Dozen
2080-A	$\frac{3}{8}$ "	15"	\$12.00

TWO BAR



Number	Size	Length	Per Dozen
2080-C	$\frac{3}{8}$ "	15"	\$15.12

THREE BAR



Number	Size	Length	Per Dozen
2080-E	$\frac{3}{8}$ "	15"	\$18.00

Also used as Necktie or Wash-Cloth Holders

The construction of these Bars is such as to prevent sagging, and Bars always hang parallel

Nickeled Brass Screws Included

For Anchors, Expansion and Toggle Bolts, see Pages 282-292

Swinging Towel Brackets

BRASS NIQUELED

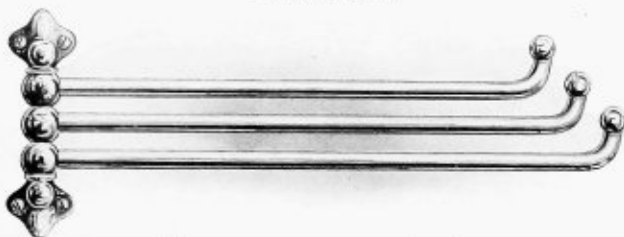
BENT ENDS

ONE BAR



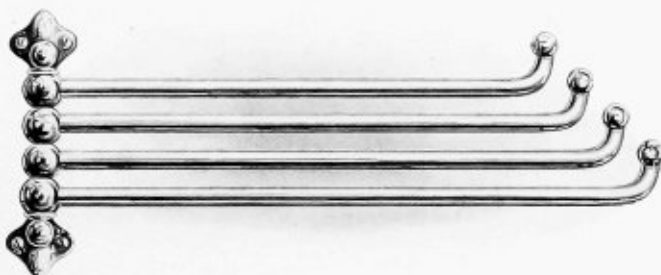
Number	Size	Length	Per Dozen
2081-A	$\frac{3}{8}$ "	6"	\$10.80
2081-B	$\frac{3}{8}$ "	8"	12.00

THREE BAR



Number	Size	Length	Per Dozen
2081-F	$\frac{3}{8}$ "	15"	\$20.40

FOUR BAR



Number	Size	Length	Per Dozen
2081-G	$\frac{3}{8}$ "	12"	\$21.60
2081-H	$\frac{3}{8}$ "	15"	24.00

These Bars always hang parallel and will not sag
Nicked Brass Screws Included
 For Anchors, Expansion and Toggle Bolts, see Pages 282-292



Corner Bars

BRASS NICKELED

BENT

BAR $\frac{1}{2}$ -INCH DIAMETER

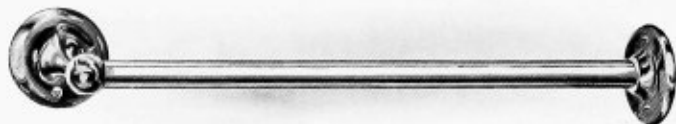


Number	Radius	Per Dozen
2083-A	10"	\$7.92
2083-B	12"	8.40

Diameter of Flange $2\frac{1}{8}$ inches

BALL END

BAR $\frac{1}{2}$ -INCH DIAMETER



Number	2084-B	2084-C	2084-D	2084-E
Length	16"	18"	20"	24"
Per Dozen	\$11.52	\$12.00	\$13.20	\$14.40

Wall Extension, $2\frac{3}{8}$ inches back to center. Diameter of Flange, $2\frac{1}{8}$ inches

Towel Ring

BRASS NICKELED

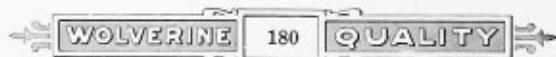


Number	Size	Per Dozen
2085	$3\frac{3}{8}$ " x 5"	\$6.00

Towel Ring with customer's advertisement Listed on Page 240

Nickeled Brass Screws Included

For Anchors, Expansion and Toggle Bolts, see Pages 282-292





Towel Bars

BRASS NICKELED

BENT ENDS

BAR $\frac{3}{8}$ -INCH DIAMETER



Number	2090-B	2090-C	2090-D	2090-E	2090-F
Length, Center to Center	16"	18"	20"	24"	30"
Per Dozen	\$4.80	\$5.28	\$5.76	\$6.00	\$7.20

Wall Extension, $2\frac{5}{8}$ inches back to center. Diameter of Flange, $1\frac{1}{8}$ inches

BAR $\frac{1}{2}$ -INCH DIAMETER



Number	2091-B	2091-C	2091-D	2091-E	2091-F
Length, Center to Center	16"	18"	20"	24"	30"
Per Dozen	\$7.92	\$8.40	\$9.36	\$10.56	\$12.48

Wall Extension, $2\frac{3}{4}$ inches back to center. Diameter of Flange, $2\frac{1}{8}$ inches

BAR $\frac{5}{8}$ -INCH DIAMETER



Number	2092-C	2092-D	2092-E	2092-F	2092-G
Length, Center to Center	18"	20"	24"	30"	36"
Per Dozen	\$10.08	\$10.80	\$12.00	\$16.08	\$19.20

Wall Extension, 3 inches back to center. Diameter of Flange, $2\frac{1}{2}$ inches

Nickeled Brass Screws Included

For Anchors, Expansion and Toggle Bolts, see Pages 282-292



Circular End Bars

BRASS NICKELED

BAR $\frac{3}{8}$ -INCH DIAMETER



Number	2095-A	2095-C
Length, End to End	15"	18"
Length, Center to Center of Flange	6"	9 $\frac{1}{4}$ "
Per Dozen	\$10.80	\$12.00

Wall Extension, 5 inches back to center. Diameter of Flange, 1 $\frac{1}{8}$ inches

Adjustable Towel Bars

BRASS NICKELED

SINGLE BRACKET

BAR $\frac{1}{2}$ -INCH DIAMETER



Number	2096-B	2096-C	2096-D
Length	16"	18"	20"
Per Dozen	\$9.60	\$10.08	\$11.04

Wall Extension, 2 $\frac{1}{2}$ inches back to center. Diameter of Flange, 1 $\frac{3}{8}$ inches

BAR $\frac{1}{2}$ -INCH DIAMETER



Number	2097-B	2097-C	2097-D
Length	16"	18"	20"
Per Dozen	\$11.52	\$12.00	\$13.20

Wall Extension, 2 $\frac{1}{8}$ inches back to center. Diameter of Flange, 2 $\frac{1}{8}$ inches

Nickeled Brass Screws Included

For Anchors, Expansion and Toggle Bolts, see Pages 282-292
Brackets only, Listed on Page 194



Adjustable Towel Bars

BRASS NICKELED

DOUBLE BRACKET

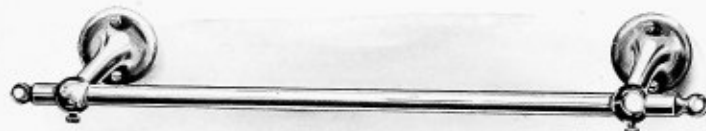
BAR 3/8-INCH DIAMETER



Number	2100-B	2100-C	2100-D	2100-E
Length	16"	18"	20"	24"
Per Dozen	\$12.00	\$12.48	\$13.44	\$14.40

Wall Extension, 2 1/2 inches back to center. Diameter of Flange, 1 3/8 inches

BAR 1/2-INCH DIAMETER



Number	2101-B	2101-C	2101-D	2101-E	2101-F
Length	16"	18"	20"	24"	30"
Per Dozen	\$13.92	\$14.40	\$15.60	\$16.80	\$18.72

Wall Extension, 2 5/8 inches back to center. Diameter of Flange, 2 1/8 inches

BAR 5/8-INCH DIAMETER



Number	2102-C	2102-D	2102-E	2102-F	2102-G
Length	18"	20"	24"	30"	36"
Per Dozen	\$16.80	\$18.00	\$20.40	\$24.00	\$26.40

Wall Extension, 2 5/8 inches back to center. Diameter of Flange, 2 1/8 inches

Nickeled Brass Screws Included

For Anchors, Expansion and Toggle Bolts, see Pages 282-292

Brackets only, Listed on Page 194



Towel Bars

BRASS NICKELED

BALL ENDS

BAR $\frac{3}{8}$ -INCH DIAMETER



Number	2105-B	2105-C	2105-D	2105-E
Length	16"	18"	20"	24"
Per Dozen	\$9.60	\$10.08	\$11.04	\$12.00

Wall Extension, $2\frac{1}{2}$ inches back to center. Diameter of Flange, $1\frac{1}{8}$ inches

BAR $\frac{1}{2}$ -INCH DIAMETER



Number	2106-B	2106-C	2106-D	2106-E	2106-F
Length	16"	18"	20"	24"	30"
Per Dozen	\$11.52	\$12.00	\$13.20	\$14.40	\$16.32

Wall Extension, $2\frac{5}{8}$ inches back to center. Diameter of Flange, $2\frac{1}{8}$ inches

BAR $\frac{5}{8}$ -INCH DIAMETER



Number	2107-C	2107-D	2107-E	2107-F	2107-G
Length	18"	20"	24"	30"	36"
Per Dozen	\$14.40	\$15.60	\$18.00	\$21.60	\$24.00

Wall Extension, $2\frac{7}{8}$ inches back to center. Diameter of Flange, $2\frac{1}{2}$ inches

Nickeled Brass Screws Included

For Anchors, Expansion and Toggle Bolts, see Pages 282-292
Brackets only, Listed on Page 194



Towel Bars

BRASS NIQUELED

BALL ENDS

BAR 3/4-INCH DIAMETER



Number	2108-C	2108-D	2108-E	2108-F	2108-G
Length	18"	20"	24"	30"	36"
Per Dozen	\$16.80	\$18.00	\$21.60	\$25.20	\$27.60

Wall Extension, 2 3/8 inches back to center. Diameter of Flange, 2 1/8 inches

CAST BRACKETS

BAR 1-INCH DIAMETER



Number	2110-C	2110-D	2110-E	2110-F	2110-G
Length	18"	20"	24"	30"	36"
Per Dozen	\$27.60	\$30.00	\$32.40	\$38.40	\$44.40

Wall Extension, 2 3/8 inches back to center. Diameter of Flange, 2 1/8 inches

Roller Towel Bars

BRASS NIQUELED PARTS



Number	2112-C	2112-D	2112-E
Length	18"	20"	24"
Per Dozen	\$18.00	\$19.20	\$21.60

Wall Extension, 2 3/8 inches back to center. Diameter of Flange, 2 1/8 inches

Nickeled Brass Screws Included

White Enameled Roller 3/8-inch Diameter

For Anchors, Expansion and Toggle Bolts, see Pages 282-292



Heavy Towel Bars

BRASS NIQUELED

CAST BRACKETS

BAR $\frac{3}{4}$ -INCH DIAMETER



Number	2115-C	2115-D	2115-E	2115-F	2115-G
Length	18"	20"	24"	30"	36"
Per Dozen	\$20.40	\$22.80	\$26.40	\$31.20	\$36.00

WITH CENTER BRACKET



Number	2117-G	2117-H	2117-I	2117-J	2117-K
Length	36"	40"	48"	60"	72"
Per Dozen	\$39.60	\$44.40	\$51.60	\$61.20	\$70.80

Wall Extension, $2\frac{1}{2}$ inches back to center. Above Bars often used for Hand Rails

Double Towel Bars

BRASS NIQUELED

BAR $\frac{1}{2}$ -INCH DIAMETER



Number	2119-B	2119-C	2119-D	2119-E
Length	16"	18"	20"	24"
Per Dozen	\$21.60	\$22.80	\$25.20	\$27.60

Nickel Brass Screws Included

For Anchors, Expansion and Toggle Bolts, see Pages 282-292
Brackets only, Listed on Page 193



Heavy Hand Rails and Bars

BRASS NIQUELED

CAST BRACKETS

BAR 1-INCH DIAMETER



Number	2122-C	2122-D	2122-E	2122-F	2122-G
Length	18"	20"	24"	30"	36"
Per Dozen	\$31.20	\$33.60	\$36.00	\$42.00	\$48.00

WITH CENTER BRACKET



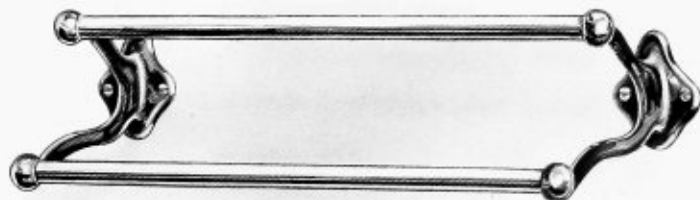
Number	2124-G	2124-H	2124-I	2124-J	2124-K
Length	36"	40"	48"	60"	72"
Per Dozen	\$61.20	\$66.00	\$70.80	\$82.80	\$94.80

Wall Extension, 2 1/4 inches back to center.

Double Towel Bars

BRASS NIQUELED

BAR 1/2-INCH DIAMETER



Number	2126-C	2126-D	2126-E	2126-F
Length	18"	20"	24"	30"
Per Dozen	\$22.80	\$25.20	\$27.60	\$30.00

Wall Extension, 2 1/2 and 3 1/2 inches back to center.

Nickel Brass Screws Included

For Anchors, Expansion and Toggle Bolts, see Pages 282-292
Brackets only, Listed on Page 193



Crystal Towel Bars

BRACKETS BRASS NICKELED

BALL ENDS

BAR 1/2-INCH DIAMETER



Number	2128-B	2128-C	2128-D	2128-E
Length	16"	18"	20"	24"
Per Dozen	\$11.52	\$12.00	\$13.20	\$14.40

BAR 3/4-INCH DIAMETER



Number	2129-C	2129-D	2129-E	2129-F
Length	18"	20"	24"	30"
Per Dozen	\$14.40	\$15.60	\$18.00	\$21.60

BAR 3/4-INCH DIAMETER



Number	2130-C	2130-D	2130-E	2130-F
Length	18"	20"	24"	30"
Per Dozen	\$16.80	\$18.00	\$21.60	\$25.20

HAND RAIL AND BAR 1-INCH DIAMETER

CAST BRACKETS



Number	2131-D	2131-E	2131-F	2131-G
Length	20"	24"	30"	36"
Per Dozen	\$33.60	\$36.00	\$42.00	\$48.00

1/2" Bars extend 2 3/8" and 5/8"-3/4"-1" Bars 2 7/8". All Flanges 2 1/8"

Nickeled Brass Screws Included

For Anchors, Expansion and Toggle Bolts, see Pages 282-292
Separate Brackets and Bars Listed on Page 194



Crystal Towel Bars

BRACKETS BRASS NIQUELED

WITH CENTER BRACKET

BAR $\frac{1}{2}$ -INCH DIAMETER



Number	2134-F	2134-G	2134-H	2134-I
Length	32"	36"	40"	48"
Per Dozen	\$21.84	\$22.80	\$25.20	\$27.60

BAR $\frac{3}{8}$ -INCH DIAMETER



Number	2135-G	2135-H	2135-I	2135-J
Length	36"	40"	48"	60"
Per Dozen	\$27.60	\$30.00	\$34.80	\$42.00

BAR $\frac{1}{4}$ -INCH DIAMETER



Number	2136-G	2136-H	2136-I	2136-J
Length	36"	40"	48"	60"
Per Dozen	\$32.40	\$34.80	\$42.00	\$49.20

HAND RAIL AND BAR 1-INCH DIAMETER

CAST BRACKETS



Number	2137-H	2137-I	2137-J	2137-K
Length	40"	48"	60"	72"
Per Dozen	\$66.00	\$70.80	\$82.80	\$94.80

$\frac{1}{2}$ " Bars extend 2 $\frac{1}{2}$ " and $\frac{3}{8}$ "- $\frac{1}{4}$ " Bars 2 $\frac{1}{2}$ ". All Flanges 2 $\frac{1}{8}$ "

Nickled Brass Screws Included

For Anchors, Expansion and Toggle Bolts, see Pages 282-292
Separate Brackets and Bars Listed on Page 194



Opal Towel Bars

BRACKETS BRASS NICKELED

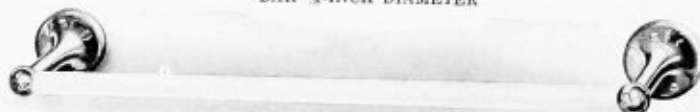
BALL ENDS

BAR $\frac{1}{2}$ -INCH DIAMETER



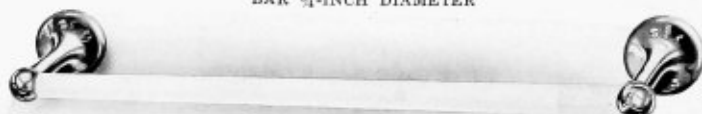
Number	2140-B	2140-C	2140-D	2140-E
Length	16"	18"	20"	24"
Per Dozen	\$13.92	\$14.40	\$15.60	\$16.80

BAR $\frac{3}{4}$ -INCH DIAMETER



Number	2141-C	2141-D	2141-E	2141-F
Length	18"	20"	24"	30"
Per Dozen	\$16.80	\$18.00	\$20.40	\$24.00

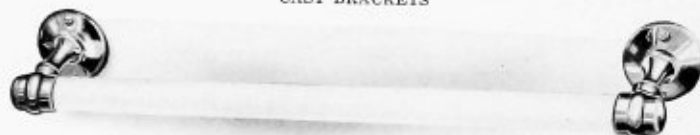
BAR $\frac{3}{4}$ -INCH DIAMETER



Number	2142-C	2142-D	2142-E	2142-F
Length	18"	20"	24"	30"
Per Dozen	\$20.40	\$21.60	\$25.20	\$28.80

HAND RAIL AND BAR 1-INCH DIAMETER

CAST BRACKETS



Number	2143-D	2143-E	2143-F	2143-G
Length	20"	24"	30"	36"
Per Dozen	\$38.40	\$40.80	\$46.80	\$52.80

$\frac{1}{2}$ " Bars extend 2 $\frac{3}{4}$ " and $\frac{5}{8}$ "- $\frac{3}{4}$ "-1" Bars 2 $\frac{3}{4}$ ". All Flanges 2 $\frac{1}{2}$ "

Nickeled Brass Screws Included

For Anchors, Expansion and Toggle Bolts, see Pages 282-292

Separate Brackets and Bars Listed on Page 194



Opal Towel Bars

BRACKETS BRASS NICKELED

WITH CENTER BRACKET

BAR 1/2-INCH DIAMETER



Number	2146-F	2146-G	2146-H	2146-I
Length	32"	36"	40"	48"
Per Dozen	\$26.64	\$27.60	\$30.00	\$32.40

BAR 5/8-INCH DIAMETER



Number	2147-G	2147-H	2147-I	2147-J
Length	36"	40"	48"	60"
Per Dozen	\$32.40	\$34.80	\$39.60	\$46.80

BAR 3/4-INCH DIAMETER



Number	2148-G	2148-H	2148-I	2148-J
Length	36"	40"	48"	60"
Per Dozen	\$39.60	\$42.00	\$49.20	\$56.40

HAND RAIL AND BAR 1-INCH DIAMETER

CAST BRACKETS



Number	2149-H	2149-I	2149-J	2149-K
Length	40"	48"	60"	72"
Per Dozen	\$75.60	\$80.40	\$92.40	\$104.40

1/2" Bars extend 2 5/8" and 5/8"-3/4"-1" Bars 2 7/8". All Flanges 2 1/4"

Nickeled Brass Screws Included

For Anchors, Expansion and Toggle Bolts, see Pages 282-292
Separate Brackets and Bars Listed on Page 194



Crystal Towel Bars

BRASS NICKELED

CAST BRACKETS

BAR 3/4-INCH DIAMETER



Number	2154-C	2154-D	2154-E	2154-F
Length	18"	20"	24"	30"
Per Dozen	\$20.40	\$22.80	\$26.40	\$31.20

WITH CENTER BRACKET



Number	2156-G	2156-H	2156-I	2156-J
Length	36"	40"	48"	60"
Per Dozen	\$39.60	\$44.40	\$51.60	\$61.20

Opal Towel Bars

BAR 3/4-INCH DIAMETER



Number	2158-C	2158-D	2158-E	2158-F
Length	18"	20"	24"	30"
Per Dozen	\$24.00	\$26.40	\$30.00	\$34.80

WITH CENTER BRACKET



Number	2160-G	2160-H	2160-I	2160-J
Length	36"	40"	48"	60"
Per Dozen	\$46.80	\$51.60	\$58.80	\$68.40

Above Bars often used as Hand Rails. Nickeled Brass Screws Included
Wall Extension, 2 1/2 inches back to center

Towel Bar Brackets

CAST BRASS NICKELED

END BRACKETS

SINGLE



Number 2163
For O. D. Bar . . . $\frac{3}{4}$ "
Back to Center . . . $2\frac{1}{2}$ "
Per Dozen . . . \$8.40

DOUBLE



Number 2164
For O. D. Bar . . . $\frac{1}{2}$ "
Back to Center . . . $2\frac{3}{8}$ " and $3\frac{3}{8}$ "
Per Dozen . . . \$10.80

HEAVY SINGLE



Number 2165
For O. D. Bar . . . 1"
Back to Center . . . $2\frac{7}{8}$ "
Per Dozen . . . \$13.20

CENTER BRACKETS

SINGLE



Number 2166
For O. D. Bar . . . $\frac{3}{4}$ "
Back to Center . . . $2\frac{1}{2}$ "
Per Dozen . . . \$8.40

DOUBLE



Number 2167
For O. D. Bar . . . $\frac{1}{2}$ "
Back to Center . . . $2\frac{3}{8}$ " and $3\frac{3}{8}$ "
Per Dozen . . . \$10.80

HEAVY SINGLE



Number 2168
For O. D. Bar . . . 1"
Back to Center . . . $2\frac{7}{8}$ "
Per Dozen . . . \$13.20

END BRACKETS WITH BALL ENDS

PLAIN



CRYSTAL

Number 2170
For O. D. Bar . . . 1"
Back to Center . . . $2\frac{7}{8}$ "
Per Dozen . . . \$19.20

CUT



CRYSTAL

Number 2172
For O. D. Bar . . . 1"
Back to Center . . . $2\frac{7}{8}$ "
Per Dozen . . . \$27.60

OPAL

Number 2171
For O. D. Bar . . . 1"
Back to Center . . . $2\frac{7}{8}$ "
Per Dozen . . . \$20.40

OPAL

Number 2173
For O. D. Bar . . . 1"
Back to Center . . . $2\frac{7}{8}$ "
Per Dozen . . . \$33.60



Brackets

BRASS NICKELED

FOR TOWEL BARS, ETC.

END BRACKET



Number	For Bar	Height Back to Center	Per Dozen
2176-A	$\frac{3}{8}$ " O. D.	$2\frac{1}{2}$ "	\$3.60
2176-B	$\frac{1}{2}$ " O. D.	$2\frac{5}{8}$ "	4.80
2176-C	$\frac{5}{8}$ " O. D.	$2\frac{7}{8}$ "	6.00
2176-D	$\frac{3}{4}$ " O. D.	$2\frac{7}{8}$ "	7.20

CENTER BRACKET



Number	For Bar	Height Back to Center	Per Dozen
2177-A	$\frac{3}{8}$ " O. D.	$2\frac{1}{2}$ "	\$3.60
2177-B	$\frac{1}{2}$ " O. D.	$2\frac{5}{8}$ "	4.80
2177-C	$\frac{5}{8}$ " O. D.	$2\frac{7}{8}$ "	6.00
2177-D	$\frac{3}{4}$ " O. D.	$2\frac{7}{8}$ "	7.20

SOLID CAST

END BRACKET



Number	For Bar	Height Back to Center	Per Dozen
2178	1" O. D.	$2\frac{7}{8}$ "	\$10.80

ADJUSTABLE BRACKET



Number	For Bar	Height Back to Center	Per Dozen
2179	1" O. D.	$2\frac{7}{8}$ "	\$10.80

Glass Bars Only

CRYSTAL

DIAMETER $\frac{1}{2}$ INCH

Number	2180-A	2180-B	2180-C	2180-D
Length	16"	18"	20"	24"
Per Dozen	\$3.84	\$4.32	\$5.52	\$6.72

DIAMETER $\frac{3}{8}$ INCH

Number	2180-F	2180-G	2180-H	2180-I
Length	18"	20"	24"	30"
Per Dozen	\$4.80	\$6.00	\$8.40	\$12.00

DIAMETER $\frac{3}{4}$ INCH

Number	2180-K	2180-L	2180-M	2180-N
Length	18"	20"	24"	30"
Per Dozen	\$6.00	\$7.20	\$10.80	\$14.40

DIAMETER 1 INCH

Number	2180-P	2180-Q	2180-R	2180-S	2180-T
Length	18"	20"	24"	30"	36"
Per Doz.	\$12.00	\$16.80	\$19.20	\$25.20	\$31.20

OPAL

DIAMETER $\frac{1}{2}$ INCH

Number	2181-A	2181-B	2181-C	2181-D
Length	16"	18"	20"	24"
Per Dozen	\$6.24	\$6.72	\$7.92	\$9.12

DIAMETER $\frac{3}{8}$ INCH

Number	2181-F	2181-G	2181-H	2181-I
Length	18"	20"	24"	30"
Per Dozen	\$7.20	\$8.40	\$10.80	\$14.40

DIAMETER $\frac{3}{4}$ INCH

Number	2181-K	2181-L	2181-M	2181-N
Length	18"	20"	24"	30"
Per Dozen	\$9.60	\$10.80	\$14.40	\$18.00

DIAMETER 1 INCH

Number	2181-P	2181-Q	2181-R	2181-S	2181-T
Length	18"	20"	24"	30"	36"
Per Doz.	\$16.80	\$21.60	\$24.00	\$30.00	\$36.00

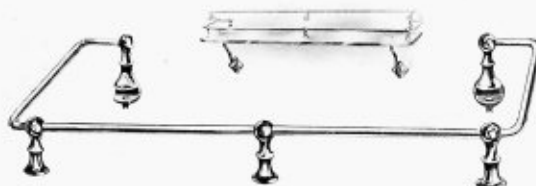


Shelf Railings

BRASS NICKELED

FOR GLASS SHELVES

Prevents brushing off articles



Number	For Shelf	Per Dozen	Number	For Shelf	Per Dozen
2183-A	5" x 14"	\$21.60	2184-A	6" x 20"	\$31.20
2183-B	5" x 16"	24.00	2184-B	6" x 24"	36.00
2183-C	5" x 18"	26.40	2184-C	6" x 30"	43.20
2183-D	5" x 20"	28.80			
2183-E	5" x 24"	33.60			

Above Railings will fit Glass Shelves Listed on Pages 198-205
Standards equipped with Rubber Fenders

Glass for Shelves

CRYSTAL

SQUARE (DRILLED)

Number	Size	Thickness	Per Dozen
2185	6 x 6	$\frac{3}{8}$ "	\$13.20

CORNER

Number	Length Sides	Length Front	Thickness	Per Dozen
2186-A	10"	12"	$\frac{3}{8}$ "	\$20.40
2186-B	12"	17"	$\frac{3}{8}$ "	27.60
2186-C	14"	20"	$\frac{3}{8}$ "	34.80

LONG SHELVES

CRYSTAL

SIZE 5 x $\frac{1}{4}$ INCH (Drilled)

Number	2187-A	2187-B	2187-C	2187-D
Length	14"	16"	18"	20"
Per Dozen	\$13.20	\$14.40	\$15.60	\$16.80

SIZE 5 x 5-16 INCH (Drilled)

Number	2187-F	2187-G	2187-H
Length	18"	20"	24"
Per Dozen	\$18.00	\$20.40	\$22.80

SIZE 6 x 5-16 INCH (Not Drilled)

Number	2187-J	2187-K	2187-L
Length	20"	24"	30"
Per Dozen	\$24.00	\$27.60	\$31.20

SIZE 6 x $\frac{3}{4}$ INCH (Not Drilled)

Number	Length	Per Dozen
2187-N	24"	\$31.20

OPAL

SIZE 5 x 5-16 INCH (Drilled)

Number	2188-F	2188-G	2188-H
Length	18"	20"	24"
Per Dozen	\$26.40	\$28.80	\$31.20

SIZE 6 x 5-16 INCH (Not Drilled)

Number	2188-J	2188-K	2188-L
Length	20"	24"	30"
Per Dozen	\$36.00	\$39.60	\$43.20

SIZE 6 x $\frac{3}{4}$ INCH (Not Drilled)

Number	Length	Per Dozen
2188-N	24"	\$43.20



Crystal Towel Bars

BRASS NICKELED

CAST BRACKETS

SOLID CRYSTAL BALL ENDS

BAR 1 INCH DIAMETER



Number	2190-D	2190-E	2190-F	2190-G
Length	20"	24"	30"	36"
Per Dozen	\$50.40	\$54.00	\$60.00	\$66.00

WITH CENTER BRACKET

Number	2192-H	2192-I	2192-J	2192-K
Length	40"	48"	60"	72"
Per Dozen	\$80.40	\$86.40	\$98.40	\$110.40

Opal Towel Bars

BRASS NICKELED

CAST BRACKETS

SOLID OPAL BALL ENDS

BAR 1 INCH DIAMETER



Number	2194-D	2194-E	2194-F	2194-G
Length	20"	24"	30"	36"
Per Dozen	\$57.60	\$60.00	\$66.00	\$72.00

WITH CENTER BRACKET

Number	2196-H	2196-I	2196-J	2196-K
Length	40"	48"	60"	72"
Per Dozen	\$92.40	\$97.20	\$109.20	\$121.20

Length on above Bars from center to center of Brackets

Wall Extension, 2 7/8 inches back to center. Diameter of Flange, 2 1/8 inches

Nickeled Brass Screws Included

Above Bars also used as Hand Rails



Crystal Towel Bars

BRASS NIQUELED

CAST BRACKETS

SOLID CRYSTAL CUT GLASS BALL ENDS

BAR 1 INCH DIAMETER



Number	2198-D	2198-E	2198-F	2198-G
Length	20"	24"	30"	36"
Per Dozen	\$66.00	\$72.00	\$78.00	\$84.00

WITH CENTER BRACKET

Number	2200-H	2200-I	2200-J	2200-K
Length	40"	48"	60"	72"
Per Dozen	\$96.00	\$104.40	\$116.40	\$128.40

Opal Towel Bars

BRASS NIQUELED

CAST BRACKETS

SOLID OPAL CUT GLASS BALL ENDS

BAR 1 INCH DIAMETER



Number	2202-D	2202-E	2202-F	2202-G
Length	20"	24"	30"	36"
Per Dozen	\$84.00	\$90.00	\$96.00	\$102.00

WITH CENTER BRACKET

Number	2204-H	2204-I	2204-J	2204-K
Length	40"	48"	60"	72"
Per Dozen	\$118.80	\$127.20	\$139.20	\$151.20

Length on above Bars from center to center of Brackets

Wall Extension, 2 7/8 inches back to center. Diameter of Flange, 2 1/8 inches

Nickel Brass Screws Included

Above Bars also used as Hand Rails



Plate Glass Shelves

CAST BRACKETS NICKELED

SQUARE SHELF



Number	Size	Thickness	Per Dozen
2206	6" x 6"	$\frac{1}{8}$ "	\$20.40

CORNER SHELVES



Number	Length Sides	Length Front	Thickness	Per Dozen
2208-A	10"	14"	$\frac{5}{16}$ "	\$28.80
2208-B	12"	17"	$\frac{5}{16}$ "	36.00
2208-C	14"	20"	$\frac{5}{16}$ "	43.20

WALL SHELVES



Number	Length	Width	Thickness	Per Dozen
2210-B	14"	5"	$\frac{1}{4}$ "	\$21.60
2210-C	16"	5"	$\frac{1}{4}$ "	22.80
2210-D	18"	5"	$\frac{1}{4}$ "	24.00
2210-E	20"	5"	$\frac{1}{4}$ "	25.20

For Anchors, Expansion and Toggle Bolts, see Pages 282-292

Nickeled Brass Screws Included

Railings and Shelves without Brackets Listed on Page 195



Plate Glass Shelves

CAST BRACKETS NICKELED

WITH EXTRA WALL FASTENING



Number	Length	Width	Thickness	Per Dozen
2212-D	18"	5"	$\frac{1}{8}$ "	\$36.00
2212-E	20"	5"	$\frac{1}{8}$ "	38.40
2212-F	24"	5"	$\frac{1}{8}$ "	40.80

WITH TUMBLER HOLDERS



Number	Length	Width	Thickness	Per Dozen
2213-D	18"	5"	$\frac{1}{8}$ "	\$55.20
2213-E	20"	5"	$\frac{1}{8}$ "	57.60
2213-F	24"	5"	$\frac{1}{8}$ "	60.00

WITH TUMBLER AND TOOTH BRUSH HOLDERS



Number	Length	Width	Thickness	Per Dozen
2214-D	18"	5"	$\frac{1}{8}$ "	\$55.20
2214-E	20"	5"	$\frac{1}{8}$ "	57.60
2214-F	24"	5"	$\frac{1}{8}$ "	60.00

For Anchors, Expansion and Toggle Bolts, see Pages 282-292

Nickel Brass Screws Included

Railings and Shelves without Brackets Listed on Page 195



Opal Glass Shelves

CAST BRACKETS NICKELED

WITH EXTRA WALL FASTENING



Number	Length	Width	Thickness	Per Dozen
2216-D	18"	5"	$\frac{5}{16}$ "	\$43.20
2216-E	20"	5"	$\frac{5}{16}$ "	46.80
2216-F	24"	5"	$\frac{5}{16}$ "	49.20

WITH TUMBLER HOLDERS



Number	Length	Width	Thickness	Per Dozen
2217-D	18"	5"	$\frac{5}{16}$ "	\$62.40
2217-E	20"	5"	$\frac{5}{16}$ "	66.00
2217-F	24"	5"	$\frac{5}{16}$ "	68.40

WITH TUMBLER AND TOOTH BRUSH HOLDERS



Number	Length	Width	Thickness	Per Dozen
2218-D	18"	5"	$\frac{5}{16}$ "	\$62.40
2218-E	20"	5"	$\frac{5}{16}$ "	66.00
2218-F	24"	5"	$\frac{5}{16}$ "	68.40

For Anchors, Expansion and Toggle Bolts, see Pages 282-292

Nickeled Brass Screws Included

Railings and Shelves without Brackets Listed on Page 195



Plate Glass Shelves

CAST BRACKETS NICKELED

WITH CRYSTAL GLASS TOWEL BAR



BAR $\frac{5}{8}$ INCH DIAMETER—LENGTH, 20 INCHES

Number	Length	Width	Thickness	Per Dozen
2220	24"	5"	$\frac{1}{8}$ "	\$57.60

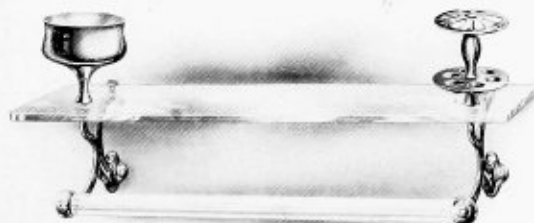
WITH TUMBLER HOLDERS



BAR $\frac{5}{8}$ INCH DIAMETER—LENGTH, 20 INCHES

Number	Length	Width	Thickness	Per Dozen
2221	24"	5"	$\frac{1}{8}$ "	\$76.80

WITH TUMBLER AND TOOTH BRUSH HOLDERS



BAR $\frac{5}{8}$ INCH DIAMETER—LENGTH, 20 INCHES

Number	Length	Width	Thickness	Per Dozen
2222	24"	5"	$\frac{1}{8}$ "	\$76.80

For Anchors, Expansion and Toggle Bolts, see Pages 282-292

Nickel Brass Screws Included

Railings, Bars and Shelves without Brackets Listed on Pages 194-195



Opal Glass Shelves

CAST BRACKETS NICKELED

WITH OPAL GLASS TOWEL BAR



BAR $\frac{5}{8}$ INCH DIAMETER—LENGTH, 20 INCHES

Number	Length	Width	Thickness	Per Dozen
2224	24"	5"	$\frac{5}{16}$ "	\$68.40

WITH TUMBLER HOLDERS



BAR $\frac{5}{8}$ INCH DIAMETER—LENGTH, 20 INCHES

Number	Length	Width	Thickness	Per Dozen
2225	24"	5"	$\frac{1}{8}$ "	\$87.60

WITH TUMBLER AND TOOTH BRUSH HOLDERS



BAR $\frac{5}{8}$ INCH DIAMETER—LENGTH, 20 INCHES

Number	Length	Width	Thickness	Per Dozen
2226	24"	5"	$\frac{5}{16}$ "	\$87.60

For Anchors, Expansion and Toggle Bolts, see Pages 282-292

Nickel Brass Screws Included

Railings, Bars and Shelves without Brackets Listed on Pages 194-195



Plate Glass Shelf

CAST BRACKETS NICKELED

WITH SOAP AND TOOTH BRUSH HOLDERS



Number	Length	Width	Thickness	Per Dozen
2228	24"	5"	$\frac{3}{16}$ "	\$58.80

OPAL GLASS SHELF

WITH SOAP AND TOOTH BRUSH HOLDERS

Number	Length	Width	Thickness	Per Dozen
2229	24"	5"	$\frac{1}{8}$ "	\$67.20

Plate Glass Shelf

CAST BRACKETS NICKELED

WITH TUMBLER, SOAP AND TOOTH BRUSH HOLDERS



Number	Length	Width	Thickness	Per Dozen
2230	24"	5"	$\frac{1}{8}$ "	\$78.00

OPAL GLASS SHELF

WITH TUMBLER, SOAP AND TOOTH BRUSH HOLDERS

Number	Length	Width	Thickness	Per Dozen
2231	24"	5"	$\frac{1}{8}$ "	\$86.40

For Anchors, Expansion and Toggle Bolts, see Pages 282-292

Nickeled Brass Screws Included

Railings and Shelves without Brackets Listed on Page 195



Plate Glass Shelves

CAST BRACKETS NIQUELED



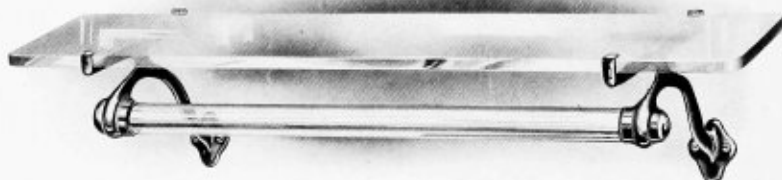
Number	Length	Width	Thickness	Per Dozen
2233-E	20"	6"	$\frac{3}{16}$ "	\$44.40
2233-F	24"	6"	$\frac{5}{16}$ "	48.00
2233-G	30"	6"	$\frac{5}{16}$ "	51.60

OPAL GLASS SHELVES

Number	Length	Width	Thickness	Per Dozen
2234-E	20"	6"	$\frac{3}{16}$ "	\$56.40
2234-F	24"	6"	$\frac{5}{16}$ "	60.00
2234-G	30"	6"	$\frac{5}{16}$ "	63.60

Plate Glass Shelves

CAST BRACKETS NIQUELED
WITH CRYSTAL GLASS BAR 1-INCH



Number	Length	Width	Thickness	Per Dozen
2235-F	24"	6"	$\frac{5}{16}$ "	\$78.00
2235-G	30"	6"	$\frac{5}{16}$ "	88.80

OPAL GLASS SHELVES

WITH OPAL GLASS BAR 1-INCH

Number	Length	Width	Thickness	Per Dozen
2236-F	24"	6"	$\frac{5}{16}$ "	\$ 94.80
2236-G	30"	6"	$\frac{5}{16}$ "	105.60

Length of Bar on 24-inch Shelf, 18 inches; on 30-inch Shelf, 24 inches

For Anchors, Expansion and Toggle Bolts, see Pages 282-292

Niqueled Brass Screws Included

Railings, Bars and Shelves without Brackets Listed on Pages 194-195

Opal Glass Shelf

CAST BRACKETS NICKELED



Number	Length	Width	Thickness	Per Dozen
2238	24"	6"	$\frac{3}{8}$ "	\$66.00

PLATE GLASS SHELF

Number	Length	Width	Thickness	Per Dozen
2239	24"	6"	$\frac{3}{8}$ "	\$54.00

Opal Glass Shelf

CAST BRACKETS NICKELED

WITH 1" x 18" OPAL GLASS BAR



Number	Length	Width	Thickness	Per Dozen
2240	24"	6"	$\frac{3}{8}$ "	\$100.80

PLATE GLASS SHELF

WITH 1" x 18" CRYSTAL GLASS BAR

Number	Length	Width	Thickness	Per Dozen
2241	24"	6"	$\frac{3}{8}$ "	\$84.00

For Anchors, Expansion and Toggle Bolts, see Pages 282-292

Nickeled Brass Screws Included

Railings, Bars and Shelves without Brackets Listed on Pages 194-195

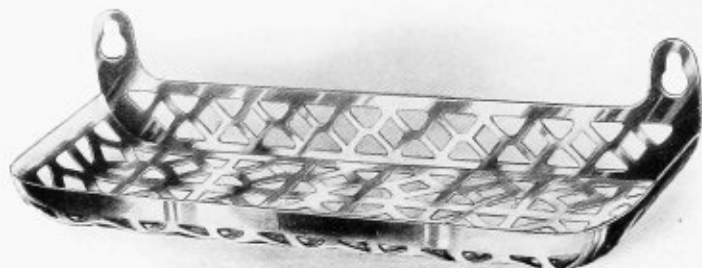


Comb and Brush Holders

HEAVY BRASS NICKELED

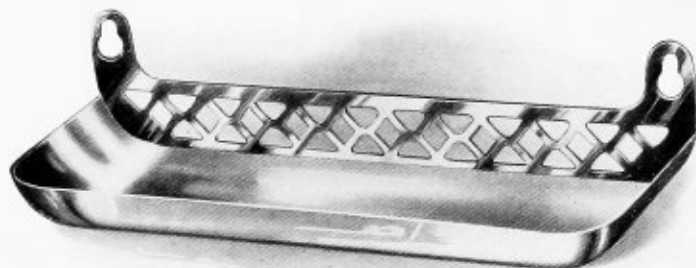
FOR WALL

OPEN PATTERN



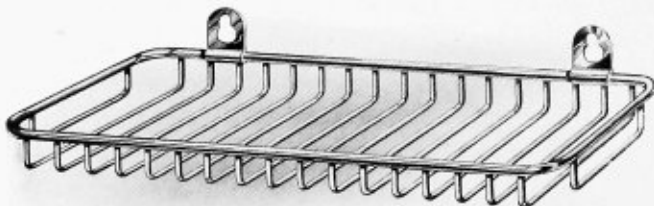
Number	Size	Per Dozen
2243	4" x 10"	\$24.00

SOLID PATTERN



Number	Size	Per Dozen
2244	4" x 10"	\$27.60

HEAVY WIRE



Number	Size	Per Dozen
2245	3 ¹ / ₈ " x 9"	\$18.00

Nickel Brass Screws Included

For Anchors, Expansion and Toggle Bolts, see Pages 282-292



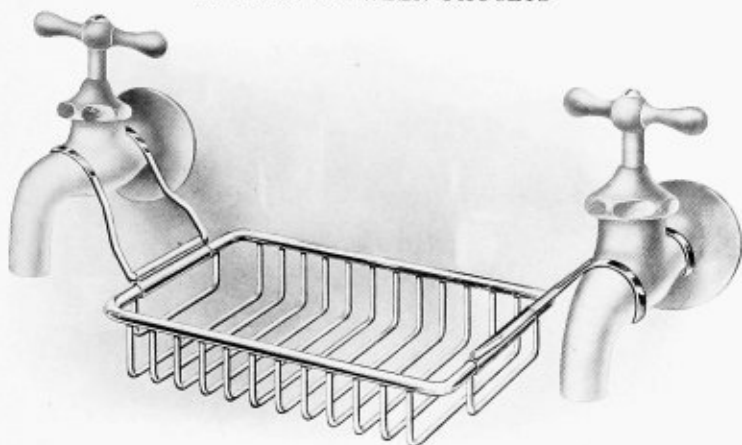


Soap Holders

BRASS NICKELED

FOR SINKS

TO HANG BETWEEN FAUCETS



Number	Patented	Size	Per Dozen
2247		4 1/4" x 6"	\$12.00

FOR BATH TUB

TO HANG ON BATH COCK



Number	Size	Per Dozen
2248	3 1/2" x 5 1/8"	\$12.00

For Anchors, Expansion and Toggle Bolts, see Pages 282-292



Soap Holders

BRASS NICKELED

FOR LAVATORIES, ETC.



SOLID PATTERN

Number	Size	Per Dozen
2250	3" x 4"	\$4.80
Center to center of holes, 1 1/4 inches		

OPEN PATTERN

Number	Size	Per Dozen
2251	3" x 4"	\$4.80
Center to center of holes, 1 1/4 inches		



CORNER PATTERN

Number	Size	Per Dozen
2252	4 3/8" x 3 3/4"	\$4.80

WHITE RUBBER

Number	Size	Per Dozen
2253	2 3/4" x 3 3/4"	\$4.80
Very sanitary		



FOR SINKS, ETC.

Number	Size	Per Dozen
2254	3 1/2" x 5 1/8"	\$9.60

Nickeled Brass Screws Included

For Anchors, Expansion and Toggle Bolts, see Pages 282-292



Soap Holders

BRASS NICKELED

WITH CHAIN STAY

Patented

SOLID BOTTOM

Number	Size	Per Dozen
2255	3½" x 5"	\$16.80

Bottom has elevations to keep soap dry



FANCY PERFORATED

Number	Size	Per Dozen
2256	3½" x 5"	\$16.80

FANCY PERFORATED

WITH OPAL DISH

Number	Size	Per Dozen
2257	3½" x 5"	\$20.40

For Opal Dish only, see Page 225





Soap Holders

BRASS NICKELED

WITH RUBBER FEET—FOR LAVATORIES

SOLID BOTTOM

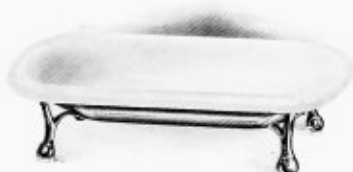
Number	Size	Per Dozen
2258	3½" x 5"	\$12.00

Bottom has elevations to
keep soap dry



SOLID BOTTOM

WITH OPAL DISH



Number	Size	Per Dozen
2259	3½" x 5"	\$15.60

Bottom has elevations to
keep soap dry

FANCY PERFORATED

Number	Size	Per Dozen
2260	3½" x 5"	\$12.00



FANCY PERFORATED

WITH OPAL DISH



Number	Size	Per Dozen
2261	3½" x 5"	\$15.60

For Opal Dish only, see Page 225



Soap Holders

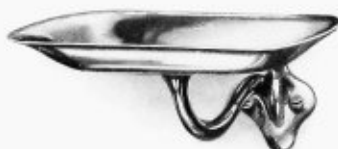
BRASS NIQUELED

WITH BRACKET—FOR LAVATORIES, ETC.

SOLID BOTTOM

Number	Size	Per Dozen
2262	3½" x 5"	\$14.40

Bottom has elevations to
keep soap dry



SOLID BOTTOM

WITH OPAL DISH



Number	Size	Per Dozen
2263	3½" x 5"	\$18.00

Bottom has elevations to
keep soap dry

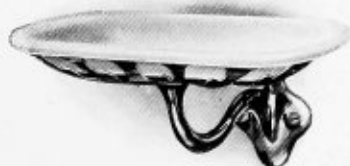
FANCY PERFORATED

Number	Size	Per Dozen
2264	3½" x 5"	\$14.40



FANCY PERFORATED

WITH OPAL DISH



Number	Size	Per Dozen
2265	3½" x 5"	\$18.00

For Opal Dish only, see Page 225

Nickled Brass Screws Included

For Anchors, Expansion and Toggle Bolts, see Pages 282-292

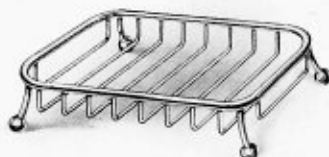


Soap Holders

BRASS NICKELED

FOR LAVATORIES, BATH, ETC.

WITH BALL FEET



Number	Size	Per Dozen
2266	$3\frac{1}{4}" \times 4\frac{3}{4}"$	\$7.20

WITH EARS



Number	Size	Per Dozen
2267	$3\frac{1}{4}" \times 4\frac{3}{4}"$	\$7.20



Number	Size	Per Dozen
2268	$3\frac{5}{8}" \times 5\frac{1}{8}"$	\$9.60

Nickeled Brass Screws Included

For Anchors, Expansion and Toggle Bolts, see Pages 282-292

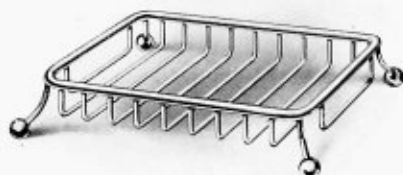


Soap Holders

BRASS NIQUELED

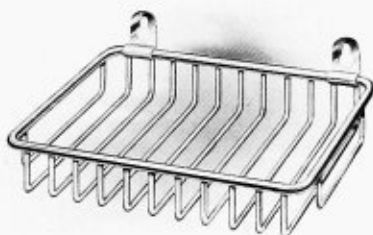
FOR LAVATORIES, BATH, ETC.

WITH BALL FEET



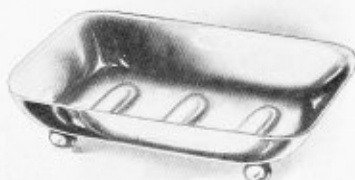
Number	Size	Per Dozen
2269	3 $\frac{5}{16}$ " x 5 $\frac{1}{16}$ "	\$9.60

WITH EARS



Number	Size	Per Dozen
2270	4 $\frac{1}{2}$ " x 6"	\$12.00

WITH BALL FEET



Number	Size	Per Dozen
2271	4" x 5 $\frac{1}{2}$ "	\$12.00

Nicked Brass Screws Included



Soap Holders

BRASS NICKELED

FOR BATH TUBS

WITH STRAP HANGERS

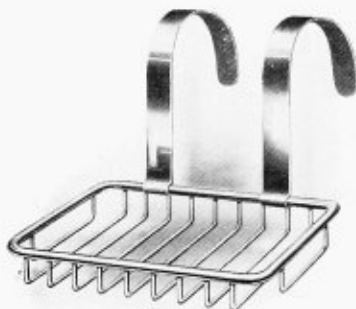
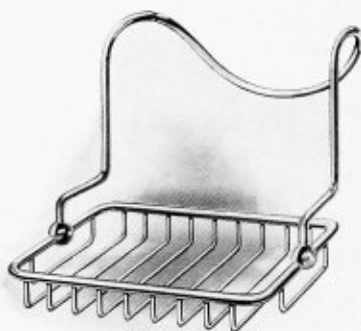


Number	Size	Per Dozen
2272	$3\frac{1}{4}" \times 4\frac{3}{4}"$	\$8.40

The soft Strap Hangers can be bent
to fit rim of any tub

WITH HEAVY WIRE HANGERS

Number	Size	Per Dozen
2273	$3\frac{5}{8}" \times 5\frac{1}{8}"$	\$10.08



WITH STRAP HANGERS

Number	Size	Per Dozen
2274	$3\frac{5}{8}" \times 5\frac{1}{8}"$	\$10.80



Soap Holders

BRASS NICKELED

FOR BATH TUBS

WITH HEAVY WIRE HANGER



Number	Size	Per Dozen
2275	4 1/4" x 6"	\$12.48

Exceptionally spacious
for large bars of soap

WITH STRAP HANGERS

Number	Size	Per Dozen
2276	4 1/4" x 6"	\$13.20

Strap Hangers of soft brass will bend
to fit rim of any tub



FANCY PERFORATED HOLDER

Number	Size	Per Dozen
2277	3 1/2" x 5"	\$7.20

Holder of heavy brass
Sanitary and durable

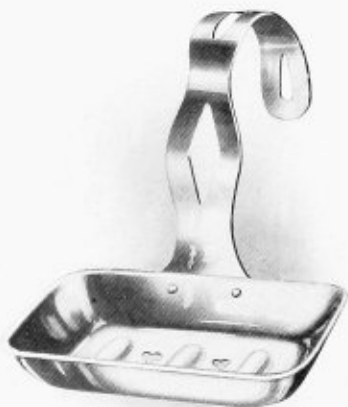


Soap Holders

BRASS NICKELED

FOR BATH TUBS

WITH STRAP HANGERS



Number	Size	Per Dozen
2278	4" x 5 1/2"	\$9.60

Soft brass Strap Hanger will bend to
fit rim of any tub
Inside white nickel finish

Number	Size	Per Dozen
2279	4" x 5 1/2"	\$12.00

Bottom has elevations to
keep soap dry



Number	Strap for Tub	Size	Per Dozen
2280	Regular Rim	4" x 5 3/8"	\$10.80
2280-A	Extra Wide Rim	4" x 5 3/8"	13.20

A very neat and
showy fixture



Soap Holders

BRASS NIQUELED

FOR BATH TUBS

WITH STRAP HANGERS



Number	Size	Per Dozen
2281	4" x 5 1/2"	\$12.00

A very fine fixture, sets out of the way on rim top of any tub, and drains inside.

EXTRA LONG HOLDER

WITH STRAP HANGERS



Number	Size	Per Dozen
2282	3 3/4" x 9"	\$19.20

This Holder will accommodate Sponge and Bath Brush, as well as Soap



Combination Fixture

BRASS NICKELED

SOAP AND SPONGE HOLDER

A large,
roomy
Combination
Fixture



Soft brass
straps will bend
to fit rim
of any tub

Number	Size	Per Dozen
2283	Sponge Holder, 6 $\frac{3}{8}$ " } Soap Holder, 4" x 5 $\frac{1}{2}$ " }	\$32.40

SPONGE HOLDER

BRASS NICKELED

FOR WALL



Number	Size	Per Dozen
2284	6 $\frac{3}{8}$ "	\$20.40

Nickled Brass Screws Included

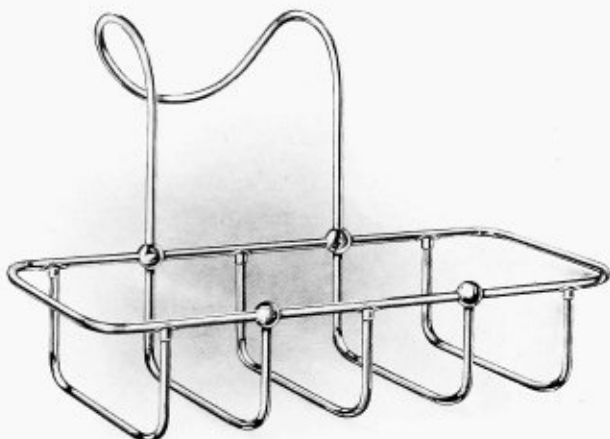
For Anchors, Expansion and Toggle Bolts, see Pages 282-292



Sponge Holders

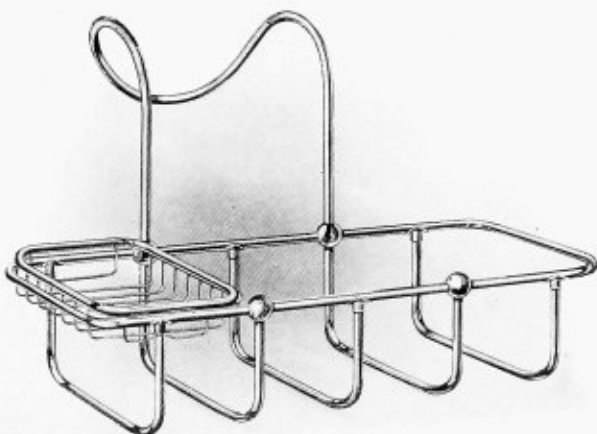
BRASS NIQUELED

FOR TUB



Number	Size	Per Dozen
2285	4 $\frac{3}{4}$ " x 11 $\frac{3}{8}$ "	\$16.80

WITH REMOVABLE SOAP HOLDER



Number	Size	Per Dozen
2286	4 $\frac{3}{4}$ " x 11 $\frac{3}{8}$ "	\$21.60

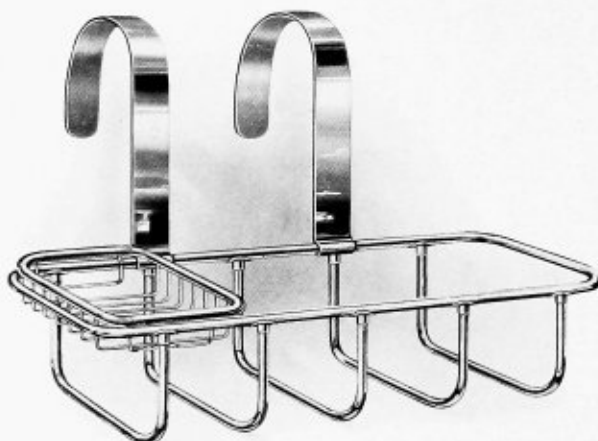


Sponge Holders

BRASS NIQUELED

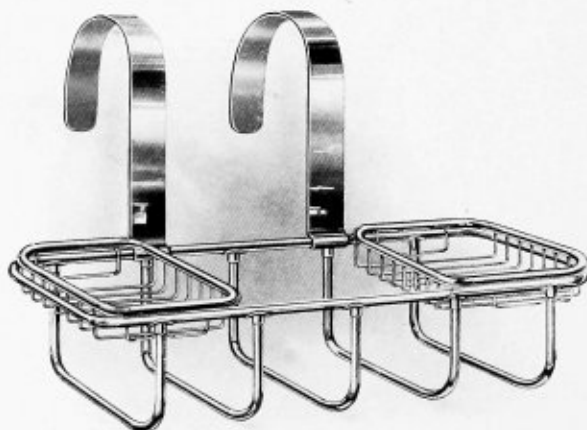
WITH STRAP HANGERS

REMOVABLE SOAP HOLDER

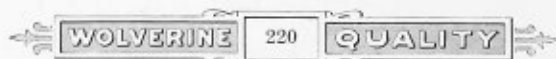


Number	Size	Per Dozen
2287	4 $\frac{3}{4}$ " x 11 $\frac{3}{8}$ "	\$21.60

WITH TWO REMOVABLE SOAP HOLDERS



Number	Size	Per Dozen
2288	4 $\frac{3}{4}$ " x 11 $\frac{3}{8}$ "	\$26.40



Adjustable Patent Holder

BRASS NICKELED

CAST BRACKET

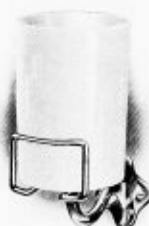


Patent Pending

Number	Adjustable From	Per Dozen
2289	1½" to 3½"	\$8.40

A most desirable fixture for the modern bath-room, holding stick shaving soap, talcum powder, tooth powder, toilet water, bottles, tumblers, shaving mugs, cleaning powders, etc.

Illustrations showing
a few of
the many uses of the
Adjustable Holder



Will adjust to hold
articles of various sizes

Nickled Brass Screws Included

For Anchors, Expansion and Toggle Bolts, see Pages 282-292

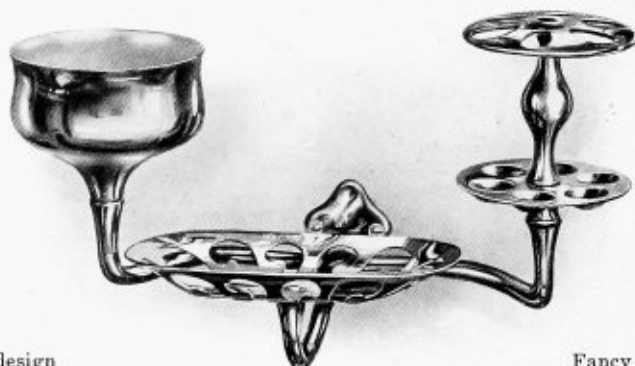


Combination Fixtures

BRASS NICKELED

TUMBLER, TOOTH BRUSH AND SOAP HOLDER

ONE-PIECE CAST BRACKETS

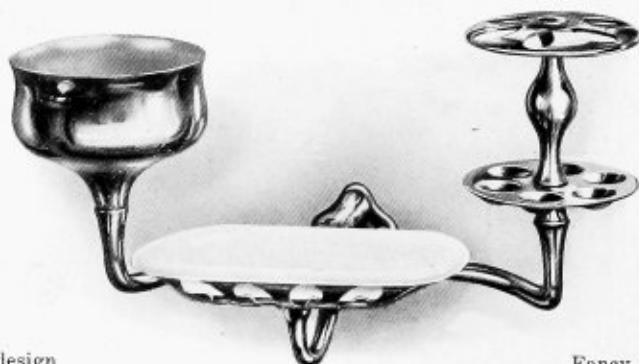


Tulip design
Tumbler Holder

Fancy perforated
Soap Holder

Number	Size of Soap Holder	Per Dozen
2291	3 1/2" x 5"	\$33.60

WITH REMOVABLE OPAL DISH



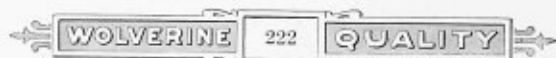
Tulip design
Tumbler Holder

Fancy perforated
Soap Holder

Number	Size of Dish	Per Dozen
2292	3 1/2" x 5"	\$37.20

Nickel Brass Screws Included

For Anchors, Expansion and Toggle Bolts, see Pages 282-292





Combination Fixtures

BRASS NICKELED

SOAP AND TUMBLER HOLDERS

ONE-PIECE CAST BRACKETS

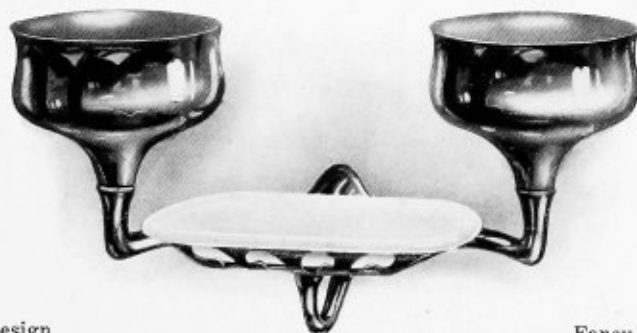


Tulip design
Tumbler Holders

Fancy perforated
Soap Holder

Number	Size of Soap Holder	Per Dozen
2293	3½" x 5"	\$33.60

WITH REMOVABLE OPAL DISH



Tulip design
Tumbler Holders

Fancy perforated
Soap Holder

Number	Size of Dish	Per Dozen
2294	3½" x 5"	\$37.20

Nickeled Brass Screws Included

For Anchors, Expansion and Toggle Bolts, see Pages 282-292



Tumbler Holders

BRASS NICKELED

WITH CHAIN STAY

Patented



Cast
Chain Stay

Number
2295

Per Dozen
\$14.40

WITH TOOTH BRUSH HOLDER



Cast Bracket
with
Extra Wall Fastening

Number
2296

Per Dozen
\$18.00

Nickeled Brass Screws Included

For Anchors, Expansion and Toggle Bolts, see Pages 282-292

Tumbler Holders

BRASS NICKELED

ONE PIECE CAST BRACKET



WITH FANCY SOAP HOLDER



Number	Size of Soap Holder	Per Dozen
2297	3 1/2" x 5"	\$22.80

WITH REMOVABLE OPAL DISH



Number	Size of Soap Holder	Per Dozen
2298	3 1/2" x 5"	\$26.40

Opal Tumbler

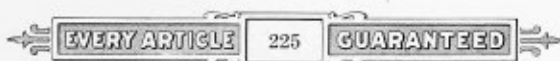


Number	Per Dozen
2300	\$2.40

Opal Soap Dish



Number	Per Dozen
2301	\$3.60

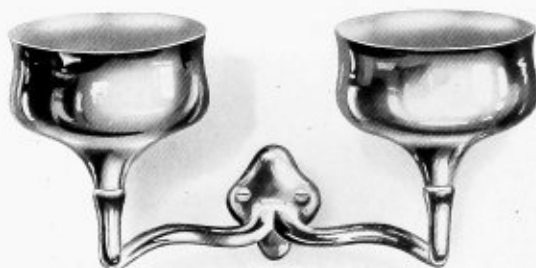




Tumbler Holders

BRASS NICKELED

ONE PIECE CAST BRACKET



Number

2302

Per Dozen

\$22.80

WITH TOOTH BRUSH HOLDER



Number

2303

Per Dozen

\$22.80

Designed and constructed on the most sanitary lines

Nickeled Brass Screws Included

For Anchors, Expansion and Toggle Bolts, see Pages 282-292





Tumbler Holders

BRASS NICKELED

WITH TOOTH BRUSH HOLDERS

Number	Per Dozen
2304	\$13.20



WITH ONE-PIECE CAST
BRACKET

Number	Per Dozen
2305	\$16.80

Nickel Brass Screws Included

For Anchors, Expansion and Toggle Bolts, see Pages 282-292



Tumbler Holders

BRASS NIQUELED

DRAWN BRACKET



Number
2306

Per Dozen
\$9.60

WITH ONE PIECE CAST BRACKET



Number
2307

Per Dozen
\$13.20

Nickeled Brass Screws Included

For Anchors, Expansion and Toggle Bolts, see Pages 282-292



Tumbler Holders

BRASS NIQUELED

WITH CAST BRACKETS



Number

2308

Per Dozen

\$12.00

WITH RING HOOK



Number

2309

Per Dozen

\$13.20

Nickeled Brass Screws Included

For Anchors, Expansion and Toggle Bolts, see Pages 282-292





Tooth Brush Holders

BRASS NICKELED

WITH ONE PIECE CAST BRACKET



Number	Per Dozen
2311	\$6.00
Holds five brushes	

Number	Per Dozen
2312	\$12.00
Holds six brushes	



FORK PATTERN



Number	Forks For	Length	Per Dozen
2313-A	Two Brushes	2 $\frac{1}{8}$ "	\$4.80
2313-B	Three Brushes	3 $\frac{3}{4}$ "	6.00
2313-C	Four Brushes	4 $\frac{7}{8}$ "	7.20

Nickeled Brass Screws Included

For Anchors, Expansion and Toggle Bolts, see Pages 282-292



Tooth Brush Holders

BRASS NICKELED

PLAIN BACK

Number	Per Dozen
2315	\$3.84

Holders with customer's advertisement Listed on Page 240



FORK PATTERN WITH SHAVING BRUSH HOLDER



Number	Holds	Per Dozen
2316	Two Tooth Brushes and one Shaving Brush	\$6.50

Shaving Brush Holder

BRASS NICKELED

CAST BRACKET

Number	Per Dozen
2317	\$3.60

The design of spring clamp is such as to admit any size or style of shaving brush



Stick Shaving Soap Holder

BRASS NICKELED



Number	Diameter	Per Dozen
2318	1 ⁷ / ₁₆ "	\$9.60

A most convenient fixture for holding stick shaving soap

Nickeled Brass Screws Included



Bath Spray Holders

BRASS NICKELED

CAST BRASS

FORK PATTERN



Number	Per Dozen
2325	\$4.80

A support for Bath Spray, allowing tubing to drain in bath tub

HALF ROUND PATTERN

Number	Per Dozen
2326	\$6.00

A very convenient holder to prevent kinking, thereby prolonging the life and usefulness of white rubber tubing on showers, sprays, etc.



Whisk Broom Holders

BRASS NICKELED



OVAL BACK

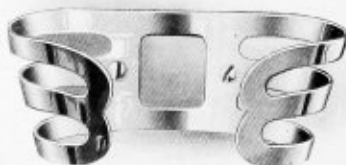
Number	Per Dozen
2327	\$4.08

Holder with customer's advertisement Listed on Page 240

OPEN BACK

Number	Per Dozen
2328	\$4.80

Heavy spring brass



Nickeled Brass Screws Included

For Anchors, Expansion and Toggle Bolts, see Pages 282-292





Match Holders

HEAVY BRASS

FOR SAFETY MATCHES

FOR STAND



With receptacle for burnt matches; also used for ash receiver

FOR WALL



Number	Finish	Per Dozen
2330-A . . .	Nickel Plated . . .	\$18.00
2330-B . . .	Brush Brass . . .	18.00

Number	Finish	Per Dozen
2331-A . . .	Nickel Plated . . .	\$18.00
2331-B . . .	Brush Brass . . .	18.00

WITH CIGAR REST—FOR WALL



Number	Finish	Per Dozen
2332-A . . .	Nickel Plated . . .	\$12.00
2332-B . . .	Brush Brass . . .	12.00

FOR PARLOR MATCHES

FOR STAND



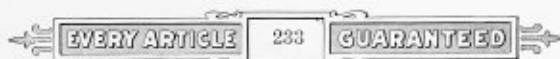
FOR WALL



Number	Finish	Per Dozen
2333-A . . .	Nickel Plated . . .	\$18.00
2333-B . . .	Brush Brass . . .	18.00

Number	Finish	Per Dozen
2334-A . . .	Nickel Plated . . .	\$18.00
2334-B . . .	Brush Brass . . .	18.00

Screws Included





Brass Hooks

NICKELED

SOLID CASTINGS



Suitable for bath brushes, fountain syringes, bath mats, razor strops, whisk brooms and many other uses



Number	Per Dozen
2336	\$2.04

Number	Per Dozen
2337	\$2.04

TRIPLE COMBINATION

Coat Hooks



Hat Hooks

Number	Size	Per Dozen
2338	5 1/2"	\$8.40

DOUBLE COMBINATION



Wardrobe Hooks



Number	Size	Per Dozen
2339	2 3/4"	\$2.40

Number	Size	Per Dozen
2340	3 1/2"	\$3.60

Nickeled Brass Screws Included

For Anchors, Expansion and Toggle Bolts, see Pages 282-292



Robe Hooks

BRASS NICKELED

SOLID CASTINGS

A size
for every need



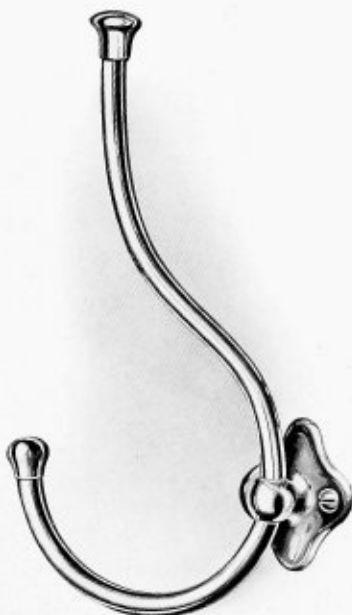
Number	Size	Per Dozen
2343	3"	\$2.88



Number	Size	Per Dozen
2344	3 1/2"	\$4.32



Number	Size	Per Dozen
2345	5"	\$6.00



Number	Size	Per Dozen
2346	7"	\$7.20

Nickeled Brass Screws Included



Paper Holders

CAST BRASS NICKELED

WITHOUT ADVERTISEMENT



Nickeled
steel or
brass bale

Number	Style	Per Dozen
2348	With Nickeled Steel Bale	\$4.32
2348-B	With Nickeled Brass Bale	4.80

WITH CUSTOMER'S ADVERTISEMENT

RAISED LETTERING



Large
Ebonized
Roller

WITH NICKELED STEEL BALE	
Number	2349
Per Dozen	\$ 6.00
Per Fifty	18.00
Per Hundred	32.00

WITH NICKELED BRASS BALE	
Number	2349-B
Per Dozen	\$ 6.48
Per Fifty	20.00
Per Hundred	36.00

Nickeled Brass Screws Included

NOTE—Send card or letter head for correct spelling. Underline wording desired, according to size and style of plate





Paper Holders

BRASS NICKELED

WITHOUT ADVERTISEMENT



Large
ebonized
roller

Number	Style	Per Dozen
2350	With Nickeled Steel Bale	\$4.80
2350-B	With Nickeled Brass Bale	5.28

WITH CUSTOMER'S ADVERTISEMENT

SUNK LETTERING



Nickeled
steel or
brass bale

WITH NICKELED STEEL BALE	
Number	2351
Per Fifty	\$19.00
Per Hundred	34.00

WITH NICKELED BRASS BALE	
Number	2351-B
Per Fifty	\$21.00
Per Hundred	38.00

Nickeled Brass Screws Included

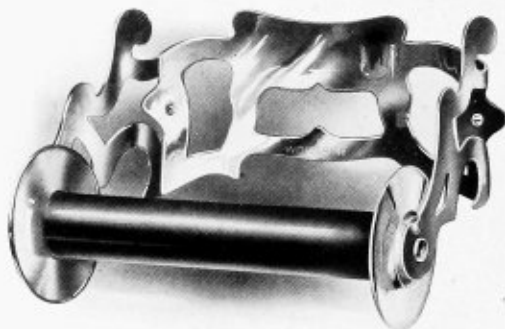
NOTE—Send card or letter head for correct spelling. Underline wording desired, according to size and style of plate



Paper Holders

BRASS NIQUELED

WITHOUT ADVERTISEMENT



Number

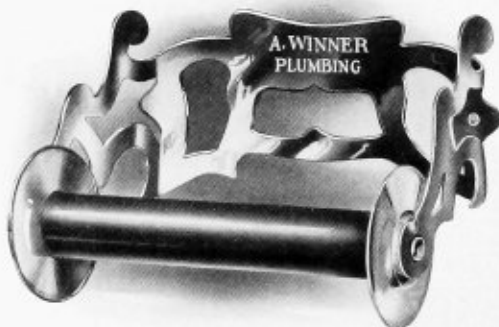
2354

Per Dozen

\$12.00

WITH CUSTOMER'S ADVERTISEMENT

SUNK LETTERING



Number	2355
Per Dozen	\$ 14.40
Per Fifty	53.00
Per Hundred	100.00

Nicked Brass Screws Included

NOTE—Send card or letter head for correct spelling. Underline wording desired, according to size and style of fixture

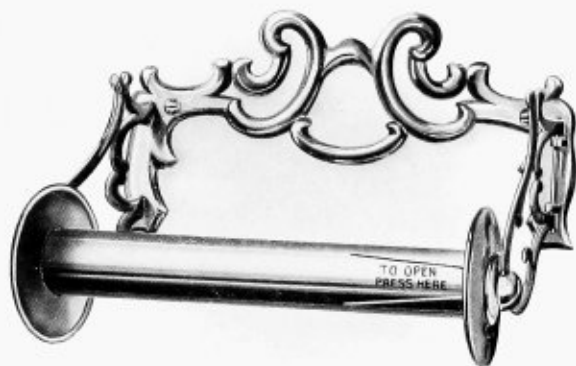




Paper Holders

BRASS NIQUELED

FOR ROLL PAPER



NIQUELED ROLLER
WITH LOCKING DEVICE

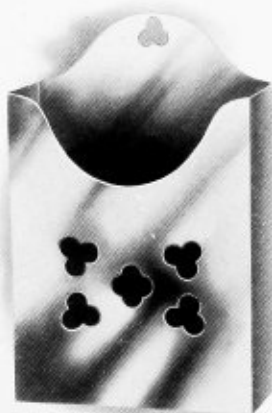
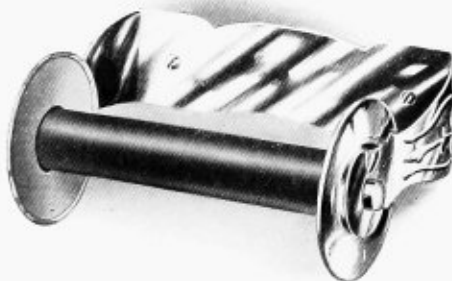
Number	Per Dozen
2356	\$19.20

In public buildings prevents theft of roll

Holder is equipped with spring lock at end of roller and releases by pressure of fingers after paper roll is removed

EBONIZED ROLLER

Number	Per Dozen
2358	\$6.00



FOR FLAT PAPER

Number	Size	Per Dozen
2359	5½" x 7"	\$21.60

A highly finished fixture

Nicked Brass Screws Included

For Anchors, Expansion and Toggle Bolts, see Pages 282-292



Whisk Broom Holder

BRASS NIQUELED

WITH CUSTOMER'S ADVERTISEMENT



Number	2360
Per Fifty	\$22.00
Per Hundred	42.00

Plain Fixture Listed on Page 232

Tooth Brush Holder

BRASS NIQUELED

WITH CUSTOMER'S ADVERTISEMENT

Number	2361
Per Fifty	\$21.00
Per Hundred	33.00

Plain Fixture Listed on Page 231



Towel Ring

BRASS NIQUELED

WITH CUSTOMER'S ADVERTISEMENT



Number	2362
Per Fifty	\$32.00
Per Hundred	60.00

Size of Ring $\frac{3}{8}$ x 5 inches

Plain Fixture Listed on Page 180

Nickel Brass Screws Included

For Anchors, Expansion and Toggle Bolts, see Pages 282-292





Name Plates

BRASS NICKELED

ROUND

PLAIN



Number	Diameter	Per Hundred
2364-A	1 1/4"	\$10.00
2364-B	1 1/2"	11.00
2364-C	2"	14.00

RIBBED



Number	Diameter	Per Hundred
2365-A	1 1/4"	\$11.00
2365-B	1 1/2"	12.00
2365-C	2"	15.00

WITH BUMPER

For
Low-Down Tanks



Diameter
1 1/2 inches

Number	2366
Per Fifty	\$10.00
Per Hundred	14.00

COCK HOLE COVER



Diameter
1 3/8 inches

Number	2367
Per Dozen	\$ 6.00
Per Fifty	17.00
Per Hundred	30.00

CHAIN STAY Patented



Number	2368
Per Dozen	\$ 7.00
Per Fifty	20.00
Per Hundred	36.00



Bibb Flanges and Name Plates

BRASS NICKELED

HEAVY PRESSED

Flanges
with $\frac{3}{8}$ -inch hole
for $\frac{1}{2}$ -inch bibb



Flanges
with $1\frac{1}{8}$ -inch hole
for $\frac{5}{8}$ -inch bibb

DIAMETER $2\frac{1}{4}$ INCHES

Number	2369-C	2369-D	2369-F	2369-G	2369-H
Diameter of Hole	$\frac{3}{8}$ "	$\frac{7}{8}$ "	1"	$1\frac{1}{8}$ "	$1\frac{1}{2}$ "
Per Fifty	\$ 7.00	\$ 7.00	\$ 7.00	\$ 7.00	\$ 7.00
Per Hundred	12.00	12.00	12.00	12.00	12.00

Flanges without customer's name, see Page 266

DIAMOND DESIGN



SIZE $1\frac{1}{2} \times 3\frac{1}{2}$ INCHES

Number	2370
Per Fifty	\$14.00
Per Hundred	18.00

WITH BUMPER



SIZE $1\frac{1}{2} \times 3\frac{1}{2}$ INCHES

Number	2371
Per Fifty	\$16.00
Per Hundred	20.00

Nickel Brass Screws Included

NOTE—Send card or letter head for correct spelling. Underline wording desired, according to size and style of plate.



Name Plates

BRASS NICKELED

HEAVY PRESSED



SIZE 1 x 2 1/4 INCHES

Number	2372
Per Fifty	\$10.00
Per Hundred	14.00



SIZE 1 1/2 x 3 1/2 INCHES

Number	2373
Per Fifty	\$14.00
Per Hundred	18.00

WITH BUMPER



SIZE 1 1/2 x 3 1/2 INCHES

Number	2374
Per Fifty	\$16.00
Per Hundred	20.00

Nickeled Brass Screws Included

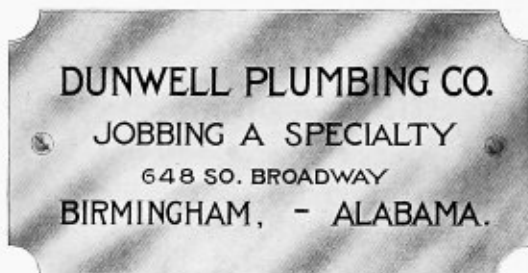
NOTE—Send card or letter head for correct spelling. Underline wording desired, according to size and style of plate.



Name Plates

BRASS NICKELED

HEAVY PRESSED



SIZE 2 x 4 INCHES

Number	2375
Per Fifty	\$20.00
Per Hundred	28.00

CAST



SIZE 1½ x 3 INCHES

Number	2376
Per Dozen	\$ 6.00
Per Fifty	20.00
Per Hundred	36.00



SIZE 2¼ x 4½ INCHES

Number	2377
Per Dozen	\$ 7.00
Per Fifty	25.00
Per Hundred	40.00

Nickeled Brass Screws Included





Name Plates

BRASS NICKELED

CAST OVAL



SIZE $2\frac{1}{4} \times 3\frac{3}{4}$ INCHES

Number	2379
Per Dozen	\$ 6.50
Per Fifty	22.00
Per Hundred	38.00

WITH FURNACE CHAIN HOLDER



SIZE $2\frac{1}{4} \times 3\frac{3}{4}$ INCHES

Number	2380
Per Dozen	\$ 8.40
Per Fifty	30.00
Per Hundred	50.00

Nickeled Brass Screws Included

NOTE—Send card or letter head for correct spelling. Underline wording desired, according to size and style of plate.



Adjustable Bath Tub Seats

METAL PARTS NICKELED

RUBBER COVERED HANGERS



Number	Finish	Each
2382	Polished Oak	\$1.80

Heavy steel hangers are nickeled and ends covered with rubber tubing

BATH SEATS AND HEAD RESTS

EXTRA QUALITY WEBBING



Number	Width	Each
2383	5"	\$2.00

Webbing high grade; buckles cast brass nickeled, and hangers completely covered with white rubber.



Number	Width	Each
2384	5"	\$2.50

This seat is held in place on tub by means of clamp buckles of heavy brass nickeled, the high grade webbing being run through buckles in such a manner as to protect the tub and prevent webbing from slipping.



Adjustable Bath Tub Seats

METAL PARTS NICKELED
HEAVY FLANGE PLATES

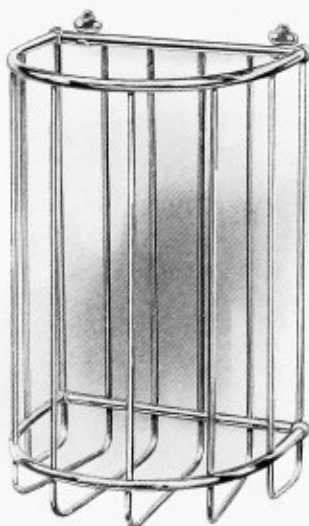


Number	Finish	Each
2386	Polished Oak	\$2.50
2386-W	White Enameled, "Wolveroid" Finish	3.00

Strong, sliding arms fastened on the under side allows for adjustment to any width tub
Nickeled hanger plates have rubber pads for setting on rim

Towel Basket

HEAVY BRASS NICKELED

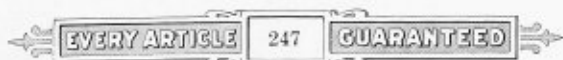


An exceptionally convenient wall basket for soiled towels, etc.

Basket is detachable from wall hooks for easy handling

Number	Size	Each
2387	18" x 11" x 8 1/4"	\$12.00

Nickeled Brass Screws Included

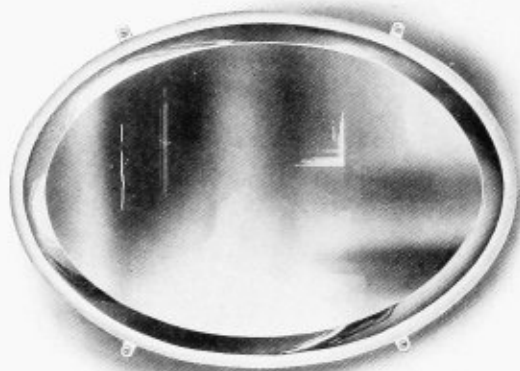




Bath Room Mirrors

SOLID BRASS FRAMES

OVAL



Imported
French plate
beveled
mirror

Moisture-
proof metal
back

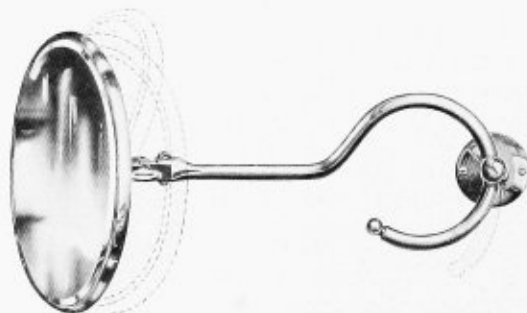
Number	Finish	Size	Frame	Each
2389	White Enameled	Frame . . 16" x 20"	 3/2"	\$8.50
2390	Nickel	Frame 16" x 20"	 1/2"	8.50

"Wolveroid" Enamel is a hard, non-absorbing finish that will not check, crack or discolor.

Adjustable Bath Room Mirror

BRASS NICKELED PARTS

FOR TOILET OR SHAVING



Imported
French plate
beveled
mirror

Instantly
adjusted to
any height
or angle

Nickel moisture-proof back

Number	Size	Each
2393	8" Round	\$4.50

Nickel Brass Screws Included



Shower Yoke

BRASS NICKELED



**3/4-INCH WHITE RUBBER TUBING
"CLING-TIGHT" BULB**

Shower shaped and spray directed to the neck and body. Can be used without rubber curtain.

Easily removed while spraying without wetting the hair.

The bather can enjoy the spray and fill tub at the same time.

NOTE—Holder for convenience in hanging and prevents hose from kinking.

Number	Description	Per Dozen
2395-A	Shower, with Holder Complete, as shown	\$30.00
2395-B	Shower, 5 feet Tubing and "Cling-Tight" Bulb	25.20
2395-C	Shower, and 5 feet Tubing only	20.40
2395-D	Shower only	14.40

Bath Sprays

BRASS NICKELED

WITH RUBBER GUARD RING

**3/4-INCH WHITE RUBBER TUBING
"CLING-TIGHT" BULB**

Spray head, 2 3/4 inch diameter
A luxurious addition to the bath-room
Tub can be filled while bather is
enjoying the spray



Number	Description	Per Dozen
2396-A	Spray, with Holder Complete, as shown	\$28.80
2396-B	Spray, 5 feet Tubing and "Cling-Tight" Bulb	24.00
2396-C	Spray and 5 feet Tubing only	19.20

Tubing Holder and Sprays Listed on Pages 232-254-255

For Showers and Sprays with double connection, see Discount Sheet



Never-Leak Faucet Bulbs

WHITE RUBBER

WITH NICKELED BRASS TUBING CONNECTION

Never-Leak will attach to any faucet, basin or bath cock. Action of water compresses inner lip and makes bulb cling tight.



SINGLE

Number	Description	Per Dozen
2398-A	For $\frac{3}{8}$ " Tubing	\$7.20
2398-B	For $\frac{1}{2}$ " Tubing	8.40



DOUBLE

Number	Description	Per Dozen
2399-A	For $\frac{3}{8}$ " Tubing	\$18.00
2399-B	For $\frac{1}{2}$ " Tubing	20.40

BULBS ONLY

Number	Size	Per Dozen
2400-A	$\frac{3}{8}$ " Without Connection	\$4.80
2400-B	$\frac{1}{2}$ " Without Connection	4.80

Metal Connections

FOR BULBS AND RUBBER TUBING



DOUBLE

Number	Size	Per Dozen
2401-A	$\frac{3}{8}$ "	\$4.80
2401-B	$\frac{1}{2}$ "	6.00

For connecting $\frac{3}{8}$ " and $\frac{1}{2}$ " white rubber tubing, etc.



SINGLE

Number	Size	Per Dozen
2402-A	$\frac{3}{8}$ "	\$2.40
2402-B	$\frac{1}{2}$ "	3.60



Cling-Tight Faucet Bulbs

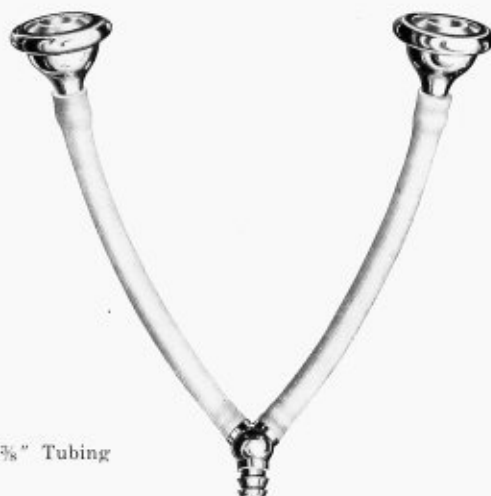
BRASS NICKELED PARTS

WHITE RUBBER CONNECTIONS

"Cling-Tight" connections are designed to fit any faucet, basin or bath cock. Interchangeable rubber is held by means of screw top. Easily adjusted and the kind that never leaks.



For $\frac{3}{8}$ " Tubing



SINGLE		
Number	Hole in Rubber	Per Dozen
2403-L	Large	\$4.80
2403-S	Small	4.80

DOUBLE		
Number	Hole in Rubber	Per Dozen
2404-L	Large	\$14.40
2404-S	Small	14.40

Numbers 2403-S and 2404-S for general use and regularly furnished.

Connection for $\frac{1}{2}$ -inch tubing, see Discount Sheet

RUBBERS ONLY



Number	Hole in Rubber	Per Dozen
2405-L	Large	\$2.40
2405-S	Small	2.40

Bath Cock Attachment

BRASS NICKELED

Quickly attachable to any cock and cannot blow off

Number	Per Dozen
2406	\$24.00

Swivel outlet prevents kinking of tubing





Shower Parts

BRASS NIQUELED

SHOWER RING HOOK
FOR CURTAINS



Number	Size	Per Dozen
2408-A	Large	\$1.20
2408-B	Small	1.00

WALL HOOK
FOR CURTAIN CHAINS, ETC.



Number	Per Dozen
2410	\$2.04

CURTAIN WALL HOOK
FOR SHOWER CURTAINS



Number	Per Dozen
2411	\$8.40

CURTAIN CHAIN
WITH RINGS



Number	Length	Per Dozen
2412	25"	\$4.80

TUBING CLAMPS
BRASS NIQUELED



For holding white rubber tubing on bath
sprays, bath cocks, nipples, etc.

Number	Size	Per Dozen
2413-A	3/8"	\$1.50
2413-B	1/2"	1.50

BATHING CAP
SILKENE RUBBERIZED



Number	Per Dozen
2414	\$8.40

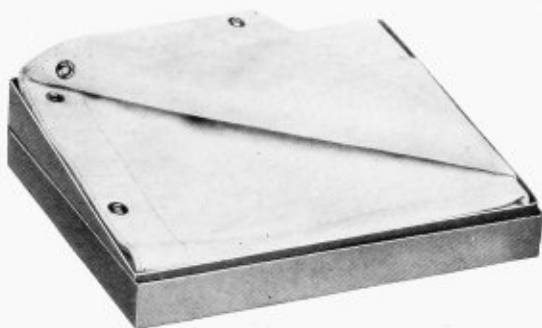
Overhead Showers Listed on Pages 257-261



Shower Bath Curtains

EXTRA QUALITY

WITH BRASS EYELETS



FOR 21-INCH RING

Number	Style	Length	Width	Each
2415-A	White Duck	63"	66"	\$6.00
2415-B	White Muslin, Rubber Lined	63"	66"	7.20

FOR 24-INCH RING

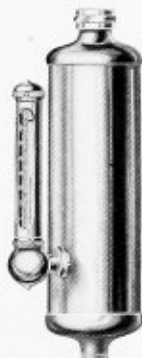
Number	Style	Length	Width	Each
2416-A	White Duck	63"	72"	\$6.80
2416-B	White Muslin, Rubber Lined	63"	72"	8.00

Special sizes made to specifications

Mixing Chamber

BRASS NICKELED

FOR WOLVERINE SHOWERS



Number	Each
2417	\$16.00

Thermometer

BRASS NICKELED

FOR MIXING CHAMBER



Number	Thread	Each
2418	1/2" I. P.	\$6.00

Overhead Showers Listed on Pages 257-261



Bath Sprays

BRASS NICKELED

PLAIN



Number	Size	Per Dozen
2424	2 1/4"	\$2.40

WITH RUBBER GUARD RING

Number	Size	Per Dozen
2425-A	2 7/8"	\$ 8.40
2425-B	3 1/2"	10.80



WITH DETACHABLE CAST HANDLE



Number	Size	Per Dozen
2426	2 3/4"	\$18.00

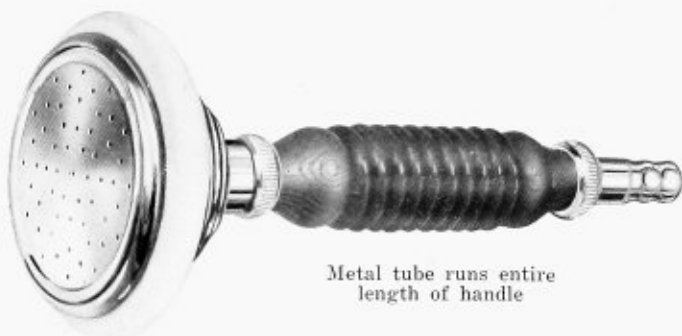
White Rubber Rings for Bath Sprays, see Discount Sheet



Bath Spray

BRASS NICKELED

WITH ROSEWOOD HANDLE



Metal tube runs entire
length of handle

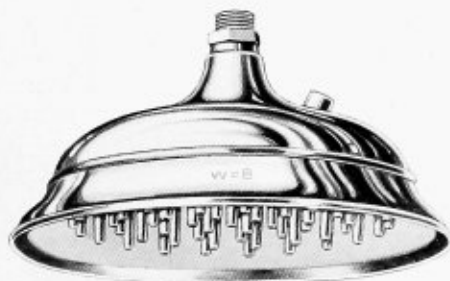
Number	Size	Per Dozen
2427	2 3/4"	\$18.00

Shower Heads

BRASS NICKELED

ROSE SHOWER

Number	2429
Diameter	5"
Threaded	3/8" I. P.
Each	\$2.50



TUBULAR SHOWER

Number	2430
Diameter	9"
Threaded	1/2" I. P.
Each	\$5.00

Air Inlet Valves drain Heads and prevent dripping



Shower Specifications

NOS. 2434-35 AND 2439-40

ILLUSTRATED AND LISTED ON PAGES 257-258

Center to center of Supplies, 6 inches
Wall to center of Supplies, 2½ inches
Wall to center of Shower Head, 17 inches
Bottom of Shower Head to Floor, 7 feet
Bottom of Shower Head to center of Valve, 3 feet
Mixing Chamber on Nos. 2434-35 and 2439-40, from Valves to Shower Elbow, is ¾ inch outside diameter

NOS. 2437-38 AND 2442-43

ILLUSTRATED AND LISTED ON PAGES 257-258

Center to center of Supplies, 8 inches
Wall to center of Supplies, 2½ inches
Wall to center of Shower Head, 17 inches
Bottom of Shower Head to Floor, 7 feet
Bottom of Shower Head to center of Valve, 3 feet
Mixing Chamber on Nos. 2437-38 and 2442-43, from Valves to Shower Elbow, is 1 inch outside diameter

NOS. 2444-46 AND 2445-47

ILLUSTRATED AND LISTED ON PAGE 259

Center to center of Supplies, 8 inches
Wall to center of Supplies, 2½ inches
Wall to center of Shower Head, 17 inches
Bottom of Shower Head to Floor, 7 feet
Bottom of Shower Head to center of Valve, 3 feet
Length of Air Chamber, 12½ inches. Diameter, 3½ inches

NO. 2455

ILLUSTRATED AND LISTED ON PAGE 260

Wall to center of Shower Head, 15½ inches

NO. 2460

ILLUSTRATED AND LISTED ON PAGE 261

Wall to center of Shower Head, 15¾ inches

GENERAL

Showers to Wall are furnished with Street Elbows and Nipples 2½ inches long
Rose Head Shower is 5 inches diameter, with Inlet Air Valve
Tubular Head Shower is 9 inches diameter, with Inlet Air Valve
Valves are fitted with Ball Checks and China Index Handles
Showers shown with Shampoo Attachment are furnished complete with Hose, nicked Spray with Rubber Guard Ring, and nicked Holder for spray and hose
All Showers furnished complete with Wall Supports, Screws, etc.
Showers with Curtains are furnished complete with nicked Shower Ring Hooks and Wall Hook
Curtains for 21-inch Ring, 66 inches wide by 63 inches long, with eyelets for 12 curtain hooks
Curtains for 24-inch Ring, 72 inches wide by 63 inches long, with eyelets for 13 shower ring hooks

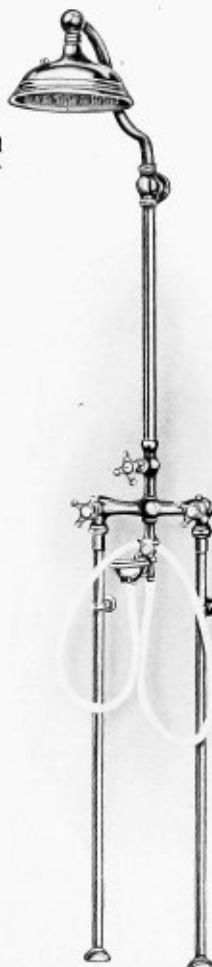
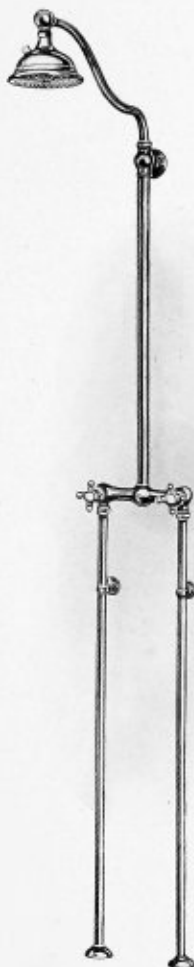
Wolverine Showers

BRASS NIQUELED



ROSE HEAD SHOWER

TUBULAR HEAD SHOWER



All Shower Heads fitted
with air inlet to pre-
vent dripping

HIGH GRADE

All Supply Valves
equipped with Ball
Checks to prevent
back pressure

3/8-INCH WOLV. STAND. I. P. SIZE

Number	Style	Each
2434	. To Floor, as shown	\$19.50
2434-W	. To Wall, not shown	18.00

3/8-INCH EX. HEAVY I. P. SIZE

Number	Style	Each
2435	. To Floor, as shown	\$20.00
2435-W	. To Wall, not shown	18.50

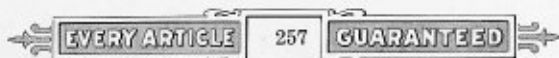
1/2-INCH WOLV. STAND. I. P. SIZE

Number	Style	Each
2437	. To Floor, as shown	\$34.50
2437-W	. To Wall, not shown	33.00

1/2-INCH EX. HEAVY I. P. SIZE

Number	Style	Each
2438	. To Floor, as shown	\$35.00
2438-W	. To Wall, not shown	33.50

Shower Parts, Sprays, etc., Listed on Pages 249-255

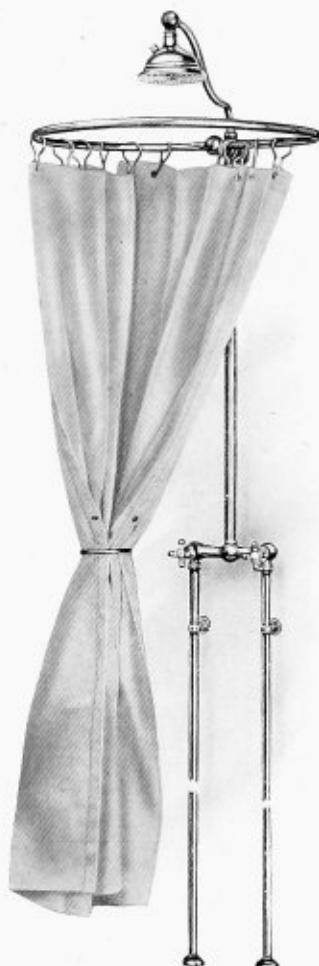




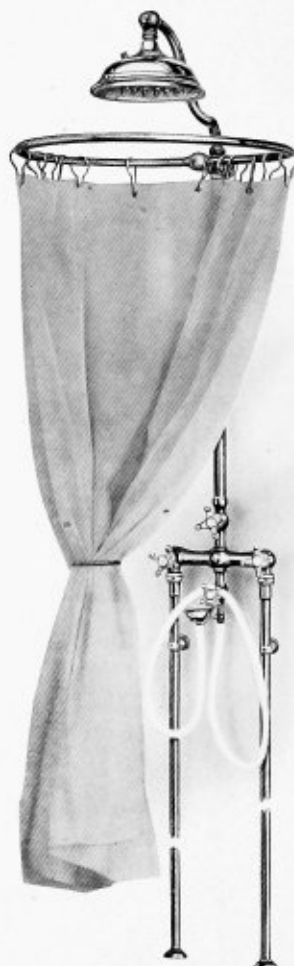
Wolverine Showers

BRASS NICKELED

ROSE HEAD SHOWER



TUBULAR HEAD SHOWER



HIGH
GRADE

3/4-INCH WOLV. STAND. I. P. SIZE

Number	Style	Each
2439	. To Floor, as shown	\$31.50
2439-W	. To Wall, not shown	30.00

3/4-INCH EX. HEAVY I. P. SIZE

Number	Style	Each
2440	. To Floor, as shown	\$32.00
2440-W	. To Wall, not shown	30.50

1/2-INCH WOLV. STAND. I. P. SIZE

Number	Style	Each
2442	. To Floor, as shown	\$46.50
2442-W	. To Wall, not shown	45.00

1/2-INCH EX. HEAVY I. P. SIZE

Number	Style	Each
2443	. To Floor, as shown	\$47.00
2443-W	. To Wall, not shown	45.50

Showers regularly furnished with Duck Curtain and 21-inch Ring



Tubular Head Showers

BRASS NIQUELED

WITH MIXING CHAMBER AND THERMOMETER



HIGH
GRADE

$\frac{1}{2}$ -INCH WOLV. STAND. I. P. SIZE

Number	Style	Each
2444	. To Floor, as shown	\$49.50
2444-W	. To Wall, not shown	48.00

$\frac{1}{2}$ -INCH EX. HEAVY I. P. SIZE

Number	Style	Each
2445	. To Floor, as shown	\$50.00
2445-W	. To Wall, not shown	48.50

$\frac{1}{2}$ -INCH WOLV. STAND. I. P. SIZE

Number	Style	Each
2446	. To Floor, as shown	\$61.50
2446-W	. To Wall, not shown	60.00

$\frac{1}{2}$ -INCH EX. HEAVY I. P. SIZE

Number	Style	Each
2447	. To Floor, as shown	\$62.00
2447-W	. To Wall, not shown	60.50

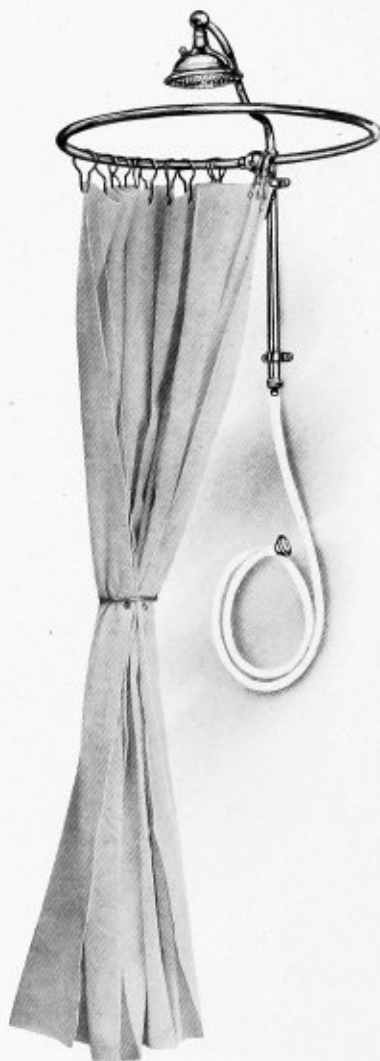
Showers No. 2446-47-W regularly furnished with Duck Curtain and 21-inch Ring



Simplex Portable Shower

BRASS NIQUELED

WITH ROSE HEAD SHOWER AND CURTAIN



Number		Each
2455	Complete as shown, with Cling-Tight Connection	\$16.00

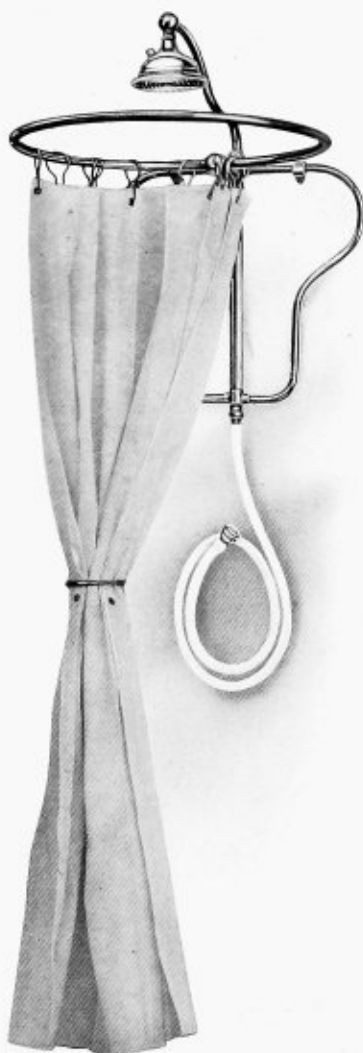
Shower regularly furnished with Duck Curtain and 21-inch Ring
 For Showers with 24-inch Ring, and for Muslin Rubber Lined Curtain, see
 Discount Sheet

Shower Parts, Sprays, etc., Listed on Pages 249-255

Perfection Portable Shower

HEAVY BRASS NIQUELED

WITH ROSE HEAD SHOWER AND CURTAIN



Wall Clips
are adjustable
for catching joists

An exceptionally
elegant and
durable fixture

Number	Each
2460 Complete as shown, with Cling-Tight Connection	\$19.00

Shower regularly furnished with Duck Curtain and 21-inch Ring
For Showers with 24-inch Ring, and for Muslin Rubber Lined Curtain, see
Discount Sheet

Specifications, see Page 256



Flanges

HEAVY BRASS NICKELED

Note
the Shape



Will not
Dent

HOLE FOR IRON PIPE SIZES

Number	Hole For	Depth	Per Dozen
2540	$\frac{1}{8}$ " I. P.	$\frac{3}{4}$ "	\$0.72
2541	$\frac{1}{4}$ " I. P.	$\frac{3}{4}$ "	.72
2542	$\frac{3}{8}$ " I. P.	$\frac{3}{4}$ "	.72
2543	$\frac{1}{2}$ " I. P.	$\frac{3}{4}$ "	.72
2544	$\frac{3}{4}$ " I. P.	$\frac{3}{4}$ "	.72
2545	1" I. P.	$\frac{3}{4}$ "	1.00
2546	$1\frac{1}{4}$ " I. P.	$\frac{3}{4}$ "	1.00
2547	$1\frac{1}{2}$ " I. P.	$\frac{3}{4}$ "	1.20
2548	2" I. P.	$\frac{3}{4}$ "	1.50

HOLE FOR TUBING SIZES

Number	Hole For	Depth	Per Dozen
2550	$\frac{3}{8}$ " O. D. Tube	$\frac{3}{4}$ "	\$0.72
2555	$\frac{1}{2}$ " O. D. Tube	$\frac{3}{4}$ "	.72
2556	$\frac{1}{2}$ " O. D. Tube	$\frac{3}{4}$ "	.72
2557	$\frac{5}{8}$ " O. D. Tube	$\frac{3}{4}$ "	.72
2558	$\frac{5}{8}$ " O. D. Tube	$\frac{3}{4}$ "	.72
2559	$\frac{3}{2}$ " O. D. Tube	$\frac{3}{4}$ "	.72
2560	$\frac{1}{2}$ " O. D. Tube	$\frac{3}{4}$ "	.72
2561	$\frac{3}{4}$ " O. D. Tube	$\frac{3}{4}$ "	.72
2562	$\frac{1}{2}$ " O. D. Tube	$\frac{3}{4}$ "	.72
2563	1" O. D. Tube	$\frac{3}{4}$ "	.72
2564	$1\frac{1}{4}$ " O. D. Tube	$\frac{3}{4}$ "	1.00
2565	$1\frac{3}{8}$ " O. D. Tube	$\frac{3}{4}$ "	1.00
2566	$1\frac{1}{2}$ " O. D. Tube	$\frac{3}{4}$ "	1.00
2567	2" O. D. Tube	$\frac{3}{4}$ "	1.20
2568	$2\frac{1}{4}$ " O. D. Tube	$\frac{3}{4}$ "	1.50

HOLE FOR PLUMBERS' FINE THREAD TUBE

Number	Hole For	Depth	Per Dozen
2569-B	$\frac{5}{8}$ " F. T. Tube	$\frac{3}{4}$ "	\$0.72
2569-C	$\frac{3}{4}$ " F. T. Tube	$\frac{3}{4}$ "	.72

The design and quality of brass used in the manufacture makes possible a Flange that will stand rough usage, and even stepping on Flange will not dent it



Flanges

HEAVY BRASS NICKELED

WITH SPRING HOLDERS

The Flange
that Stays
in Place



Always Sets
Straight on
Wall or Floor

HOLE FOR IRON PIPE SIZES

Number	Hole For	Depth	Per Dozen
2570	$\frac{1}{8}$ " I. P.	$\frac{3}{4}$ "	\$1.00
2571	$\frac{1}{4}$ " I. P.	$\frac{3}{4}$ "	1.00
2572	$\frac{3}{8}$ " I. P.	$\frac{3}{4}$ "	1.00
2573	$\frac{1}{2}$ " I. P.	$\frac{3}{4}$ "	1.00
2574	$\frac{3}{4}$ " I. P.	$\frac{3}{4}$ "	1.00
2575	1" I. P.	$\frac{3}{4}$ "	1.50
2576	$1\frac{1}{4}$ " I. P.	$\frac{3}{4}$ "	1.50
2577	$1\frac{1}{2}$ " I. P.	$\frac{3}{4}$ "	1.70
2578	2" I. P.	$\frac{3}{4}$ "	2.00

HOLE FOR TUBING SIZES

Number	Hole For	Depth	Per Dozen
2579	$\frac{7}{16}$ " O. D. Tube	$\frac{3}{4}$ "	\$1.00
2580	$\frac{1}{2}$ " O. D. Tube	$\frac{3}{4}$ "	1.00
2581	$\frac{9}{16}$ " O. D. Tube	$\frac{3}{4}$ "	1.00
2582	$\frac{5}{8}$ " O. D. Tube	$\frac{3}{4}$ "	1.00
2583	$\frac{11}{16}$ " O. D. Tube	$\frac{3}{4}$ "	1.00
2584	1" O. D. Tube	$\frac{3}{4}$ "	1.00
2585	$1\frac{1}{4}$ " O. D. Tube	$\frac{3}{4}$ "	1.50
2586	$1\frac{3}{8}$ " O. D. Tube	$\frac{3}{4}$ "	1.50
2587	$1\frac{1}{2}$ " O. D. Tube	$\frac{3}{4}$ "	1.50

HOLE FOR PLUMBERS' FINE THREAD TUBE

Number	Hole For	Depth	Per Dozen
2589-B	$\frac{5}{8}$ " F. T. Tube	$\frac{3}{4}$ "	\$1.00
2589-C	$\frac{3}{4}$ " F. T. Tube	$\frac{3}{4}$ "	1.00

The design and quality of brass used in the manufacture makes possible a Flange that will stand rough usage, and even stepping on Flange will not dent it



Extra Deep Flanges

HEAVY BRASS NICKELED

HOLE FOR IRON PIPE SIZES



Number	Hole For	Depth	Per Dozen
2590	1/8" I. P.	1 3/8"	\$1.00
2591	1/4" I. P.	1 3/8"	1.00
2592	3/8" I. P.	1 3/8"	1.00
2593	1/2" I. P.	1 3/8"	1.00
2594	3/4" I. P.	1 1/2"	1.50
2596	1" I. P.	1 1/2"	1.50
2597	1 1/4" I. P.	1 1/2"	1.50

HOLE FOR TUBING SIZES

Number	Hole For	Depth	Per Dozen
2600	7/16" O. D. Tube	1 3/8"	\$1.00
2601	1/2" O. D. Tube	1 3/8"	1.00
2602	9/16" O. D. Tube	1 3/8"	1.00
2603	5/8" O. D. Tube	1 3/8"	1.00
2604	11/8" O. D. Tube	1 3/8"	1.00
2605	1 1/4" O. D. Tube	1 1/2"	1.50
2606	1 3/8" O. D. Tube	1 1/2"	1.50
2607	1 1/2" O. D. Tube	1 1/2"	1.50

HOLE FOR PLUMBERS' FINE THREAD TUBE

Number	Hole For	Depth	Per Dozen
2609-A	5/8" F. T. Tube	1 3/8"	\$1.00
2609-B	3/4" F. T. Tube	1 3/8"	1.00

WITH SPRING HOLDERS

HOLE FOR IRON PIPE SIZES

Number	Hole For	Depth	Per Dozen
2610	1/8" I. P.	1 3/8"	\$1.50
2611	1/4" I. P.	1 3/8"	1.50
2612	3/8" I. P.	1 3/8"	1.50
2613	1/2" I. P.	1 3/8"	1.50
2614	3/4" I. P.	1 1/2"	2.00
2615	1" I. P.	1 1/2"	2.00



HOLE FOR TUBING SIZES

Number	Hole For	Depth	Per Dozen
2620	7/16" O. D. Tube	1 3/8"	\$1.50
2621	1/2" O. D. Tube	1 3/8"	1.50
2622	9/16" O. D. Tube	1 3/8"	1.50
2623	5/8" O. D. Tube	1 3/8"	1.50
2624	11/8" O. D. Tube	1 3/8"	1.50
2625	1" O. D. Tube	1 1/2"	2.00
2626	1 1/4" O. D. Tube	1 1/2"	2.00
2627	1 3/8" O. D. Tube	1 1/2"	2.00
2628	1 1/2" O. D. Tube	1 1/2"	2.00

HOLE FOR PLUMBERS' FINE THREAD TUBE

Number	Hole For	Depth	Per Dozen
2630-A	5/8" F. T. Tube	1 3/8"	\$1.50
2630-B	3/4" F. T. Tube	1 3/8"	1.50

Closet Spud Flanges

BRASS NICKELED



Number	For Closet Spud	Outside Diameter	Diameter of Hole	Depth	Per Dozen
2632-A	1 1/4"	2 3/4"	1 5/8"	1 1/2"	\$1.00
2632-B	1 1/2"	3"	1 7/8"	1 1/2"	1.00

Box Flanges

BRASS NICKELED



No.	Hole For	Diameter	Depth	Per Doz.
2635-A	1 1/4-inch O. D. Tube	3-inch	1 1/4-inch	\$3.60
2635-B	1 1/2-inch O. D. Tube	3-inch	1 1/4-inch	3.60
2635-D	1 1/4-inch Iron Pipe	3-inch	1 1/4-inch	3.60
2635-E	1 1/2-inch Iron Pipe	3-inch	1 1/4-inch	3.60
2635-G	1 1/4-inch O. D. Tube	3-inch	2 1/2-inch	4.80
2635-H	1 1/2-inch O. D. Tube	3-inch	2 1/2-inch	4.80
2635-J	1 1/4-inch Iron Pipe	3-inch	2 1/2-inch	4.80
2635-K	1 1/2-inch Iron Pipe	3-inch	2 1/2-inch	4.80

Discount

Used on Durham Systems, and especially desirable where a high covering is necessary.

Wolverine Brass Works

Grand Rapids, Mich.

Manufacturers

San Francisco, Calif.

BRASS NICKELED

Rounded
Edges



Extra
Heavy

IRON PIPE SIZES

Number	Hole For	Diameter of Flange	Per Doz.
2636-A	3/8" I. P.	2 1/8"	\$1.00
2636-B	1/2" I. P.	2 3/8"	1.00
2636-C	3/4" I. P.	2 7/8"	1.00
2636-D	1 1/4" I. P.	3"	1.50
2636-E	1 1/2" I. P.	3 1/2"	1.70

TUBING SIZES

Number	Hole For	Diameter of Flange	Per Doz.
2637-B	5/8" O. D. Tube	2 3/8"	\$1.00
2637-C	3/4" O. D. Tube	2 7/8"	1.00
2637-E	1 1/4" O. D. Tube	3"	1.50
2637-F	1 3/8" O. D. Tube	3"	1.50
2637-G	1 1/2" O. D. Tube	3"	1.50



Bibb Flanges

BRASS NICKELED

PRESSED

For 1/2-inch Bibbs
use Flanges with
3/8-inch Hole



For 5/8-inch Bibbs
use Flanges with
1 1/8-inch Hole

STANDARD WEIGHT

DIAMETER 2 3/4 INCHES

Number	2639-A	2639-C	2639-E	2639-F	2639-H	2639-I	2639-J
Diameter of Hole	1/2"	3/4"	1 1/8"	7/8"	1"	1 1/16"	1 1/8"
Per Gross	\$7.20	\$7.20	\$7.20	\$7.20	\$7.20	\$7.20	\$7.20

HEAVY WEIGHT

DIAMETER 2 3/4 INCHES

Number	2640-A	2640-C	2640-E	2640-F	2640-H	2640-I	2640-J
Diameter of Hole	1/2"	3/4"	1 1/8"	7/8"	1"	1 1/16"	1 1/8"
Per Gross	\$9.60	\$9.60	\$9.60	\$9.60	\$9.60	\$9.60	\$9.60

For Flanges with customer's name, see Page 242

CAST BRASS WITH SET SCREW



NICKEL PLATED

Number	For Bibbs	Hole in Flange	Per Dozen
2642-F	1/2"	7/8"	\$3.60
2642-J	5/8" and 3/4"	1 1/8"	3.60

POLISHED

Number	For Iron Pipe	Hole in Flange	Per Dozen
2643-E	1/2"	1 1/16"	\$3.60
2643-I	3/4"	1 1/8"	3.60

Solid Floor Plates

HEAVY PATTERN—STEEL NICKELED

Number	Hole For	Diameter of Flange	Per Hundred
2645-A	1/4" I. P.	3"	\$7.20
2645-B	3/8" I. P.	3"	7.20
2645-C	1/2" I. P.	3"	7.20
2645-D	3/4" I. P.	3"	7.20
2645-E	1" I. P.	3"	7.20
2645-F	1 1/4" I. P.	3"	7.20
2645-G	1 1/2" I. P.	3 1/2"	7.80
2645-H	2" I. P.	4"	9.00



Highest Grade Open-hearth Planished



Floor and Ceiling Plates

BRASS NICKELED

SECTIONAL FLAT PATTERN

Fits close
to ceiling
or floor



Clasps
pipe
firmly

Number	2650	2651	2652	2653	2654	2655	2656
For I. P. Size	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "	1"	1 $\frac{1}{4}$ "	1 $\frac{1}{2}$ "	2"
Per Dozen	\$2.00	\$2.00	\$2.00	\$2.24	\$2.56	\$2.80	\$3.04

SECTIONAL RAISED PATTERN



Top View

Depth
 $\frac{3}{4}$ -inch



Bottom View

Number	2660	2661	2662	2663	2664	2665	2666
For I. P. Size	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "	1"	1 $\frac{1}{4}$ "	1 $\frac{1}{2}$ "	2"
Per Dozen	\$2.52	\$2.52	\$2.52	\$2.82	\$3.24	\$3.52	\$3.84

HINGED FLAT PATTERN

HEAVY STEEL NICKELED



Top View



Bottom View

Number	2670	2671	2672	2673	2674	2675	2676
For I. P. Size	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "	1"	1 $\frac{1}{4}$ "	1 $\frac{1}{2}$ "	2"
Per Dozen	\$1.70	\$1.70	\$1.70	\$1.90	\$2.14	\$2.34	\$2.54

The design and construction of our Plates is such as to leave a smooth surface, although hinged and sectional.

Spring prongs permit expansion and contraction of pipe at all times.

Can be placed in position either at floor or ceiling after piping is installed.

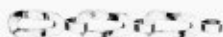


Plumber's Chain

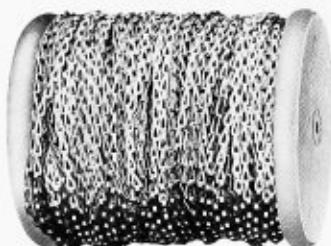
BRASS NICKELED

REELS

Plumber's Link



Plumber's Link
sent unless
otherwise
specified



Safety Link



Plumber's Link
sent unless
otherwise
specified

Number	Size	Description	Per Reel
2680	.00	Regular Reel 500 Feet	\$12.70
2681	.00	Small Reel 250 Feet	6.80
2682	0	Regular Reel 500 Feet	15.00
2683	0	Small Reel 250 Feet	8.00
2685	1	Small Reel 250 Feet	9.60
2686	2	Small Reel 250 Feet	12.40



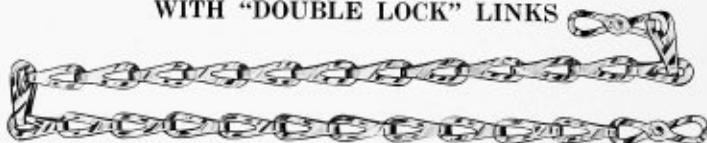
TWELVE YARD PACKAGES

Number	Size	Per Package
2690	.00	\$1.60
2691	0	1.90
2692	1	2.40
2693	2	3.00

Basin and Bath Chains

BRASS NICKELED

WITH "DOUBLE LOCK" LINKS



Number	Description	Length	Per Dozen
2695	Box of 12 Basin Chains, "Double Lock" Links	12"	\$1.00
2696	Box of 12 Basin Chains, "Double Lock" Links	16"	1.30
2697	Box of 12 Bath Chains, "Double Lock" Links	20"	1.60
2698	Box of 12 Basin Chains, Split Links	12"	1.00
2699	Box of 12 Basin Chains, Split Links	16"	1.30
2700	Box of 12 Bath Chains, Split Links	20"	1.60

Wolverine "Double Lock" Links

BRASS NICKELED



FOR RING ATTACHMENT

CLOSED VIEW

FOR STOPPER POST

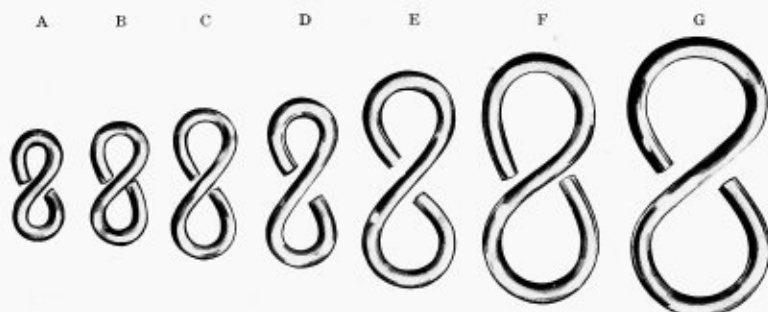


Number	Style	Per Gross
2702	For Ring Attachment	\$3.00
2703	For Stopper Post	3.00

The construction of Wolverine "Double Lock" Link is such that it will not become unfastened when attached to chain or plug, at the same time is easily applied.

"S" Hooks

BRASS NICKELED



Number	2705-A	2705-B	2705-C	2705-D	2705-E	2705-F	2705-G
Size	A	B	C	D	E	F	G
Per Gross	\$1.20	\$1.40	\$1.50	\$1.60	\$1.80	\$2.00	\$2.50

Chain Stay Ring

BRASS NICKELED

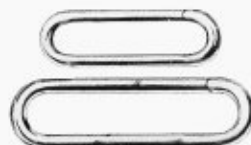


Cuts
full
size

Number	Per Gross
2708	\$1.80

Split Links

BRASS NICKELED



Number	Size	Per Gross
2710	Small	\$2.00
2711	Large	2.30



Wolverine Chain Stays

BRASS NIQUELED

FOR LAVATORIES, ETC.



Patented
Number Per Dozen
2714 \$1.80



Number Per Dozen
2716 \$3.00



Patented
Number Per Dozen
2718 \$3.00

For Chain Stay Nuts, see Figure Number 3075-E

Chain Stay Washer



Number Per Hundred
2719 Galvanized \$2.00

Raised Basin Cock Washer



Number Per Hundred
2720 Pressed Brass \$4.00

Flat Basin Cock Washer



Number Per Hundred
2721 Galvanized \$2.00

Cock-Hole Covers

CAST BRASS NIQUELED



Number Diameter Per Dozen
2722 2" \$5.00

For use on cast iron and marble Lavatories, Sink Backs, Bath Tubs, Standing Wastes, etc.



Number Diameter Per Dozen
2724 2" \$5.50

Above Cock-Hole Covers also used to cover Ball Cock Hole in Closet Tanks



Cock-Hole Covers

CAST BRASS NICKELED

FOR LAVATORIES, SINK BACKS, TUBS, ETC.

WITHOUT WASHER



Number Diameter Per Doz.
2725 . . . 1 1/8" . . . \$3.00

WITH WASHER



With Square Lug under Head

Number Diameter Per Doz.
2726 . . . 1 1/8" . . . \$3.20



Number Diameter Per Doz.
2727 . . . 1 1/4" . . . \$3.60



Round Ring Under Head
with Flange Nut

Number Diameter Per Doz.
2728 . . . 1 1/4" . . . \$4.60



Plain Under Head with
Nut and Washer

Number Diameter Per Doz.
2729 . . . 2 1/4" . . . \$5.00



Round Ring Under Head
with Flange Nut

Number Diameter Per Doz.
2730 . . . 2 1/4" . . . \$6.00



Extra
Large
For
Bath Overflow,
Standing Waste
Openings, etc.



Number Diameter Per Dozen
2731 2 3/8" \$7.20

Number Diameter Per Dozen
2734 3" \$9.60

For Cock-Hole Covers with advertisement, see Page 241



Wolverine Basin Plugs

CAST BRASS NIQUELED

WITH RUBBER PLUG

PATENT OVERFLOW

COMMON OVERFLOW



For Lead
Trap, Bar
Wastes, etc.

Number	Length of Plug	Per Dozen
2750 . . .	Regular, 2 $\frac{1}{2}$ " . . .	\$7.20
2751 . . .	Extra Long, 3" . . .	8.40

Number	Length of Plug	Per Dozen
2752-S . . .	Short, 2" . . .	\$6.00
2752 . . .	Regular, 2 $\frac{1}{2}$ " . . .	7.20
2753 . . .	Extra Long, 3" . . .	8.40

Plugs and Shells for Traps, see Pages 36-37-38

Metal Bath Plugs

CAST BRASS

WITH RUBBER PLUG



Number	Size	Finish	Per Dozen
2755 . . .	1 $\frac{1}{4}$ " . . .	Plain Brass . . .	\$2.40
2756 . . .	1 $\frac{1}{2}$ " . . .	Plain Brass . . .	3.00
2757 . . .	1 $\frac{1}{4}$ " . . .	Nickel Plated . . .	2.60
2758 . . .	1 $\frac{1}{2}$ " . . .	Nickel Plated . . .	3.20

WITH CAST PLUG

Number	Size	Finish	Per Dozen
2755-C . . .	1 $\frac{1}{4}$ " . . .	Plain Brass . . .	\$2.60
2756-C . . .	1 $\frac{1}{2}$ " . . .	Plain Brass . . .	3.30
2757-C . . .	1 $\frac{1}{4}$ " . . .	Nickel Plated . . .	3.20
2758-C . . .	1 $\frac{1}{2}$ " . . .	Nickel Plated . . .	3.90

Wash Tray Plugs

PLAIN BRASS

With 1 $\frac{1}{2}$ -inch Brass Stopper
For Wood Tubs

Number	Diameter	Per Dozen
2759	3 $\frac{3}{8}$ "	\$3.00

Wash Tray Bolts, see Page 281



Rubber Plugs and Stoppers Listed on Pages 345-346-347



Wash Tray Plugs

CAST BRASS

WITH LOCK NUT AND COUPLING

DIAMETER OF FLANGE 3 1/4-INCHES



WITH RUBBER PLUGS

Number	Diameter of Tail Piece	Size	Finish	Per Dozen
2762	1 1/4"	1 1/2"	Polished Brass	\$25.00
2763	1 1/2"	1 1/2"	Polished Brass	26.00
2762-N	1 1/4"	1 1/2"	Nickel Plated	28.00
2763-N	1 1/2"	1 1/2"	Nickel Plated	29.00

WITH CAST BRASS PLUGS

Number	Diameter of Tail Piece	Size	Finish	Per Dozen
2765	1 1/4"	1 1/2"	Polished Brass	\$26.00
2766	1 1/2"	1 1/2"	Polished Brass	27.00
2765-N	1 1/4"	1 1/2"	Nickel Plated	29.00
2766-N	1 1/2"	1 1/2"	Nickel Plated	30.00

Lava Gas Tips

IMPORTED

Number	2768-A	2768-B	2768-C	2768-D	2768-E
Size	2-Ft.	3-Ft.	4-Ft.	5-Ft.	6-Ft.
Per Dozen	\$0.30	\$0.30	\$0.30	\$0.30	\$0.30



Brass Gas Pillars

WITH FINE DUST SCREENS

Number	Per Dozen
2769	\$0.30

Stop and Waste Plugs

BRASS



Number	Threaded	Per Dozen
2770	1/4"-26	\$0.40

Stop and Waste Tubes

DIPPED BRASS

Number	Threaded	Length	Per Doz.
2773	1/4"-26	2 1/4"	\$0.84
2775	1/4"-26	2 7/8"	1.08

POLISHED BRASS

Number	Threaded	Length	Per Doz.
2773-P	1/4"-26	2 1/4"	\$1.08
2775-P	1/4"-26	2 7/8"	1.32





Simplex Anti-Splasher Water Filters

BRASS NICKELED

WITH SANITARY SCREENS

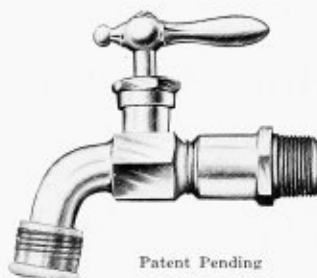


A Size
for
Every Cock



Number	For	Hole in Rubber	Per Doz.
2777	Hose Bibbs		\$1.00
2778-A	Small Spout Basin Cocks	$\frac{3}{8}$ "	1.20
2778-B	Large Spout Basin Cocks	$\frac{1}{2}$ "	1.20
2778-C	$\frac{1}{2}$ " Bibbs, etc.	$\frac{5}{8}$ "	1.20
2778-D	$\frac{5}{8}$ " and $\frac{3}{4}$ " Bibbs, etc..	$\frac{3}{4}$ "	1.20

Without Rubber Bushing for Hose Bibbs
With Rubber Bushing for Plain Bibbs



Patent Pending

Makes Water
Flow
Like Oil



SIMPLEX IMPROVED WITH FAUCET CUSHIONS

Number	For	Hole in Rubber	Per Doz.
2785	Hose Bibbs		\$1.30
2786-A	Small Spout Basin Cocks	$\frac{3}{8}$ "	1.50
2786-B	Large Spout Basin Cocks	$\frac{1}{2}$ "	1.50
2786-C	$\frac{1}{2}$ " Bibbs, etc.	$\frac{5}{8}$ "	1.50
2786-D	$\frac{5}{8}$ " and $\frac{3}{4}$ " Bibbs, etc.	$\frac{3}{4}$ "	1.50

No spattering or broken dishes

Filter Parts

RUBBER
BUSHING



SANITARY
SCREEN



WHITE RUBBER
CUSHION

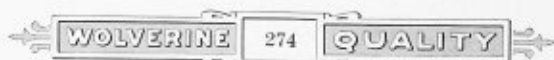


No.	Size	Per Doz.
2787	A-B-C-D	\$0.50

Number	Per Doz.
2788	\$0.50

Number	Per Doz.
2789	\$0.50

Always specify hole required in Rubber Bushing. (See above.)



Special Anti-Splasher Water Filters

BRASS NIQUELED

WITH SANITARY BALL AND SCREENS

Patented



Number	For	Hole in Rubber	Per Doz.
2790	Hose Bibbs		\$1.80
2791-A	Small Spout Basin Cocks	$\frac{3}{8}$ "	2.00
2791-B	Large Spout Basin Cocks	$\frac{1}{2}$ "	2.00
2791-C	$\frac{1}{8}$ " Bibbs, etc.	$\frac{5}{8}$ "	2.00
2791-D	$\frac{5}{8}$ " and $\frac{3}{4}$ " Bibbs, etc.	$\frac{3}{4}$ "	2.00

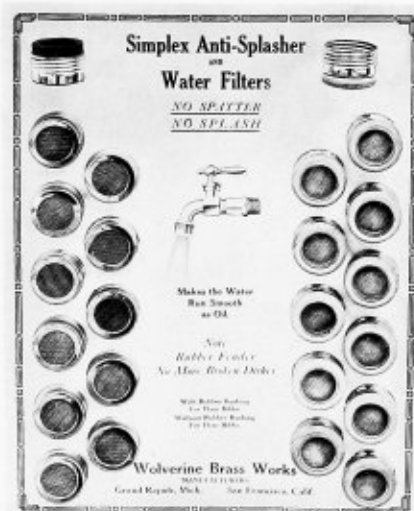
A simple and practical device
Always appreciated by the housewife

These Filters are fitted with special revolving sanitary ball in addition to fine sanitary screens and are Guaranteed Satisfactory in every way.

Counter Display Card

ASSORTED NUMBERS 2777 to 2786-D INCLUSIVE

A counter display
of Water Filters
means profits



Display card on
your counter will
sell Water Filters at
sight

Number	Quantity	Per Card
2792	Two Dozen	\$2.50





Perfection Bubbling Cups

BRASS NICKELED

Patented



Illustration showing
Right Hand
Bubbler



Instantly attached to any
Bibb or Basin Cock

Fine Brass Sanitary Screens
insure absolute safety as a
fountain

RIGHT HAND COMBINATION CUP

Number	For	Hole in Rubber	Each
2795	Hose Bibbs		\$3.00
2796-A	Small Spout Basin Cocks.	$\frac{3}{8}$ "	3.00
2796-B	Large Spout Basin Cocks	$\frac{1}{2}$ "	3.00
2796-C	$\frac{1}{2}$ " Bibbs, etc.	$\frac{5}{8}$ "	3.00
2796-D	$\frac{5}{8}$ " and $\frac{3}{4}$ " Bibbs, etc.	$\frac{3}{4}$ "	3.00

LEFT HAND COMBINATION CUP

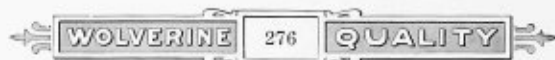
Number	For	Hole in Rubber	Each
2797	Hose Bibbs		\$3.00
2798-A	Small Spout Basin Cocks.	$\frac{3}{8}$ "	3.00
2798-B	Large Spout Basin Cocks.	$\frac{1}{2}$ "	3.00
2798-C	$\frac{1}{2}$ " Bibbs, etc.	$\frac{5}{8}$ "	3.00
2798-D	$\frac{5}{8}$ " and $\frac{3}{4}$ " Bibbs, etc.	$\frac{3}{4}$ "	3.00

—NOTE—

Any Perfection Cup can be screwed on to any regular Hose Bibb by removing rubber bushing.

The only Drinking Fountain Cup that will turn down to allow the flow of a full, smooth stream of water without detaching. Does not interfere with ordinary use of faucet.

Right hand cup (as illustrated) always sent unless otherwise specified.





Simplex Bubbling Cups

BRASS NICKELED



Provided with fine brass sanitary screens, insuring absolute safety in drinking

Instantly attachable to any Bibb or Basin Cock and will swing either right or left hand

Number	For	Hole in Rubber	Each
2800	Hose Bibbs		\$2.80
2801-A	Small Spout Basin Cocks	$\frac{3}{8}$ "	2.80
2801-B	Large Spout Basin Cocks	$\frac{1}{2}$ "	2.80
2801-C	$\frac{1}{2}$ " Bibbs, etc.	$\frac{3}{8}$ "	2.80
2801-D	$\frac{3}{8}$ " and $\frac{1}{4}$ " Bibbs, etc.	$\frac{1}{4}$ "	2.80

Any Simplex Cup can be screwed on a regular Hose Bibb by removing the rubber bushing.

Bubbler Parts

PERFECTION AND SIMPLEX

WHITE RUBBER BUSHINGS

FOR PLAIN BIBBS



Number	Description	Per Dozen
2802-A	With $\frac{3}{8}$ " Hole	\$1.20
2802-B	With $\frac{1}{2}$ " Hole	1.20
2802-C	With $\frac{5}{8}$ " Hole	1.20
2802-D	With $\frac{3}{4}$ " Hole	1.20

WHITE
RUBBER WASHER
FOR HOSE BIBBS



No.	Size	Per Doz.
2803	1" x $\frac{3}{4}$ " x $\frac{1}{8}$ "	\$0.50

WHITE
RUBBER SEAT

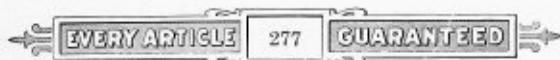


No.	Size	Per Doz.
2804	$\frac{1}{2}$ " x $\frac{7}{8}$ "	\$1.00

BUBBLER
SCREEN



No.	Size	Per Doz.
2805	$\frac{11}{16}$ "	\$0.50





Sink Strainers

CAST IRON

JAPANNED



Number	Outside Diameter	Center of Bolt Holes	Per Doz.
2810-B	4 1/2"	3 1/8"	\$1.20
2810-C	4 5/8"	3 7/8"	1.20
2810-D	4 3/4"	4"	1.20

BRASS NICKELED

HEAVY PRESSED

Number	Outside Diameter	Center of Bolt Holes	Per Doz.
2812-A	4 3/8"	3 1/8"	\$3.00
2812-B	4 1/2"	3 1/8"	3.00
2812-C	4 5/8"	3 7/8"	3.00
2812-D	4 3/4"	4"	3.00



GENUINE GERMAN SILVER



Number	Outside Diameter	Center of Bolt Holes	Per Doz.
2814-A	4 3/8"	3 1/8"	\$4.80
2814-B	4 1/2"	3 1/8"	4.80
2814-C	4 5/8"	3 7/8"	4.80
2814-D	4 3/4"	4"	4.80

BRASS NICKELED, WITH 1 1/2-INCH RUBBER PLUG

HEAVY PRESSED

Number	Outside Diameter	Center of Bolt Holes	Per Doz.
2816-B	4 1/2"	3 1/8"	\$7.20
2816-C	4 5/8"	3 7/8"	7.20
2816-D	4 3/4"	4"	7.20



Sink and Wash Tray Bolts Listed on Pages 280-281

Closable Sink Strainers

BRASS NICKELED



Number	Outside Diameter	Center of Bolt Holes	Per Doz.
2818-B . . .	4 1/2" . . .	3 1/2" . . .	\$9.60
2818-C . . .	4 5/8" . . .	3 3/4" . . .	9.60
2818-D . . .	4 3/4" . . .	4" . . .	9.60

Spring Tension Screw makes water-tight joint on strainer, which can be instantly closed or opened by movement of lever.

Sink Collars

FOR IRON CENTRIFUGAL TRAPS

ALUMINUMIZED



Number	Tapped	Per Dozen
2820 . . .	1 1/4" I. P. . . .	\$3.00
2821 . . .	1 1/2" I. P. . . .	3.00

FOR SINK SPUD

CAST IRON



Number	Tapped	Per Dozen
2823 . . .	1 1/4" I. P. . . .	\$3.60
2824 . . .	1 1/2" I. P. . . .	3.60

REGULAR

CAST IRON



Number	Per Dozen
2826 . . .	\$1.20

SECTIONAL

GALVANIZED IRON



Number	Per Dozen
2827 . . .	\$3.60

Center of Bolt Holes 3 1/8 inches to 4-inch adjustment
Sink and Wash Tray Bolts Listed on Pages 280-281



Sink Bolts



IRON

Number	Length	Per Hundred
2830-D	$\frac{3}{4}$ "	\$2.40
2830-F	1"	2.60
2830-G	$1\frac{1}{4}$ "	2.60

BRASS

Number	Length	Per Hundred
2831-D	$\frac{3}{4}$ "	\$6.00
2831-F	1"	6.40
2831-G	$1\frac{1}{4}$ "	6.80

IRON—NICKEL PLATED HEAD

Number	Length	Per Hundred
2830-DN	$\frac{3}{4}$ "	\$4.40
2830-FN	1"	4.60
2830-GN	$1\frac{1}{4}$ "	4.60

BRASS—NICKEL PLATED HEAD

Number	Length	Per Hundred
2831-DN	$\frac{3}{4}$ "	\$8.00
2831-FN	1"	8.40
2831-GN	$1\frac{1}{4}$ "	8.80

Sink Bolts $1\frac{1}{4}$ inch and less are regularly furnished with one square iron nut.
 For Sink Bolts furnished with hexagon instead of square iron nuts } See
 For Sink Bolts furnished with square brass instead of square iron nuts } Discount Sheet

LONG SINK BOLTS

IRON

Number	Length	Per Hundred
2830-H	$1\frac{1}{2}$ "	\$2.80
2830-I	$1\frac{3}{4}$ "	2.92
2830-K	$2\frac{1}{4}$ "	3.00
2830-L	$2\frac{1}{2}$ "	3.60
2830-M	$2\frac{3}{4}$ "	3.80
2830-N	3"	4.00

BRASS

Number	Length	Per Hundred
2831-H	$1\frac{1}{2}$ "	\$7.80
2831-K	$2\frac{1}{4}$ "	9.00
2831-N	3"	11.20

IRON—NICKEL PLATED HEAD

Number	Length	Per Hundred
2830-HN	$1\frac{1}{2}$ "	\$4.80
2830-KN	$2\frac{1}{4}$ "	5.00
2830-NN	3"	6.00

BRASS—NICKEL PLATED HEAD

Number	Length	Per Hundred
2831-HN	$1\frac{1}{2}$ "	\$ 9.80
2831-KN	$2\frac{1}{4}$ "	11.00
2831-NN	3"	13.20

Sink Bolts $1\frac{1}{2}$ inch and longer are regularly furnished with two square iron nuts.

For Sink Bolts furnished with hexagon instead of square iron nuts } See
 For Sink Bolts furnished with square brass instead of square iron nuts } Discount Sheet

Sink Bolt Washers listed on Page 364





Stove Bolts

FLAT HEAD



$\frac{3}{16}$ -INCH			$\frac{1}{4}$ -INCH		
Number	Length	Per Hundred	Number	Length	Per Hundred
2835-A	$\frac{3}{8}$ "	\$1.70	2836-B	$\frac{1}{2}$ "	\$2.00
2835-B	$\frac{1}{2}$ "	1.70	2836-C	$\frac{5}{8}$ "	2.00
2835-C	$\frac{5}{8}$ "	1.70	2836-D	$\frac{3}{4}$ "	2.00
2835-D	$\frac{3}{4}$ "	1.70	2836-E	$\frac{7}{8}$ "	2.10
2835-E	$\frac{7}{8}$ "	1.80	2836-F	1"	2.10
2835-F	1"	1.80	2836-G	$1\frac{1}{4}$ "	2.20
2835-G	$1\frac{1}{4}$ "	1.90	2836-H	$1\frac{1}{2}$ "	2.30
2835-H	$1\frac{1}{2}$ "	2.00	2836-J	2"	2.50
2835-J	2"	2.20			

ROUND HEAD

$\frac{1}{16}$ -INCH			$\frac{1}{4}$ -INCH		
Number	Length	Per Hundred	Number	Length	Per Hundred
2839-A	$\frac{3}{8}$ "	\$1.70	2840-B	$\frac{1}{2}$ "	\$2.00
2839-B	$\frac{1}{2}$ "	1.70	2840-C	$\frac{5}{8}$ "	2.00
2839-C	$\frac{5}{8}$ "	1.70	2840-D	$\frac{3}{4}$ "	2.00
2839-D	$\frac{3}{4}$ "	1.70	2840-E	$\frac{7}{8}$ "	2.10
2839-E	$\frac{7}{8}$ "	1.80	2840-F	1"	2.10
2839-F	1"	1.80	2840-G	$1\frac{1}{4}$ "	2.20
2839-G	$1\frac{1}{4}$ "	1.90	2840-H	$1\frac{1}{2}$ "	2.30
2839-H	$1\frac{1}{2}$ "	2.00	2840-J	2"	2.50
2839-J	2"	2.20			

For Nickel Plated Stove Bolts, see Discount Sheet



Wash Tray Bolts

BRASS



Number	Length	Per Gross
2843-H	$1\frac{1}{2}$ "	\$10.00
2843-J	2"	12.80

Basin Clamp Bolt

BRASS



Number	Length	Per Gross
2844-H	$1\frac{1}{2}$ "	\$7.60

Sink Bolt Nuts

STEEL SQUARE



Number	Size	Per Hundred
2846	$\frac{1}{4}$ "	\$0.80

STEEL HEXAGON



Number	Size	Per Hundred
2848	$\frac{1}{4}$ "	\$1.20

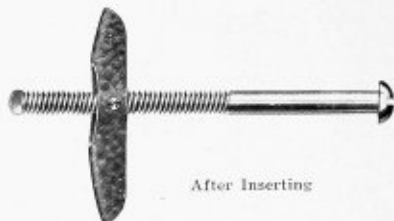


Steel Toggle Bolts

ROUND HEAD



Before Inserting



After Inserting

Number	Length	Size	Per Hundred
2855-H	1 1/2"	3/8"	\$3.40
2855-J	2"	3/8"	3.50
2855-L	2 1/2"	3/8"	4.00
2855-N	3"	3/8"	4.40
2855-P	3 1/2"	3/8"	4.90
2855-R	4"	3/8"	5.80
2855-T	5"	3/8"	6.20
2855-V	6"	3/8"	6.70

For Nickel Plated Screws
See Discount Sheet

Number	Length	Size	Per Hundred
2856-J	2"	1/4"	\$5.00
2856-L	2 1/2"	1/4"	5.50
2856-N	3"	1/4"	6.10
2856-P	3 1/2"	1/4"	6.70
2856-R	4"	1/4"	7.20
2856-T	5"	1/4"	7.80
2856-V	6"	1/4"	8.30

For Nickel Plated Screws
See Discount Sheet

Brass Toggle Bolts

ROUND HEAD



Number	Length	Size	Per Hundred
2860-H	1 1/2"	3/8"	\$ 6.00
2860-J	2"	3/8"	6.20
2860-L	2 1/2"	3/8"	6.70
2860-N	3"	3/8"	7.20
2860-P	3 1/2"	3/8"	7.80
2860-R	4"	3/8"	8.90
2860-T	5"	3/8"	11.10
2860-V	6"	3/8"	13.30

For Nickel Plated Screws, see Discount Sheet

Number	Length	Size	Per Hundred
2861-J	2"	1/4"	\$10.00
2861-L	2 1/2"	1/4"	10.50
2861-N	3"	1/4"	11.10
2861-P	3 1/2"	1/4"	12.20
2861-R	4"	1/4"	13.30
2861-T	5"	1/4"	15.50
2861-V	6"	1/4"	17.70



Steel Toggle Bolts

WITH SQUARE IRON NUT



Number	Length	Size	Per Hundred
2865-L	2 1/2"	3/16"	\$4.40
2865-N	3"	3/16"	4.50
2865-P	3 1/2"	3/16"	4.60
2865-R	4"	3/16"	4.90
2865-T	5"	3/16"	5.10
2865-V	6"	3/16"	5.30
2865-W	7"	3/16"	5.70
2865-X	8"	3/16"	6.30

For Brass Instead of Iron Nuts
See Discount Sheet

Number	Length	Size	Per Hundred
2866-L	2 1/2"	1/4"	\$6.00
2866-N	3"	1/4"	6.20
2866-P	3 1/2"	1/4"	6.40
2866-R	4"	1/4"	6.60
2866-T	5"	1/4"	7.20
2866-V	6"	1/4"	7.80
2866-W	7"	1/4"	8.50
2866-X	8"	1/4"	9.40

For Brass Instead of Iron Nuts
See Discount Sheet

Brass Toggle Bolts

WITH SQUARE BRASS NUT



Number	Length	Size	Per Hundred
2870-L	2 1/2"	3/16"	\$ 6.60
2870-N	3"	3/16"	7.20
2870-P	3 1/2"	3/16"	7.80
2870-R	4"	3/16"	8.90
2870-T	5"	3/16"	11.10
2870-V	6"	3/16"	13.30
2870-W	7"	3/16"	15.50
2870-X	8"	3/16"	17.70

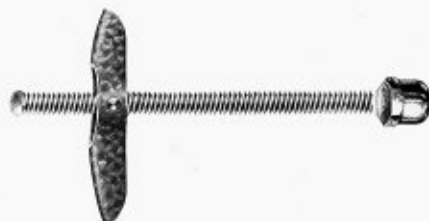
Number	Length	Size	Per Hundred
2871-L	2 1/2"	1/4"	\$10.50
2871-N	3"	1/4"	11.10
2871-P	3 1/2"	1/4"	12.20
2871-R	4"	1/4"	13.30
2871-T	5"	1/4"	15.50
2871-V	6"	1/4"	17.70
2871-W	7"	1/4"	20.00
2871-X	8"	1/4"	22.20

For Toggle Bolt Heads, see Page 287



Steel Toggle Bolts

WITH PLAIN BRASS HEXAGON HEAD



Number	Length	Size	Per Hundred
2875-L	2 1/2"	3/16"	\$5.30
2875-N	3"	3/16"	5.40
2875-P	3 1/2"	3/16"	5.50
2875-R	4"	3/16"	5.80
2875-T	5"	3/16"	6.00
2875-V	6"	3/16"	6.20
2875-W	7"	3/16"	6.60
2875-X	8"	3/16"	7.20

Number	Length	Size	Per Hundred
2876-L	2 1/2"	1/4"	\$ 7.10
2876-N	3"	1/4"	7.30
2876-P	3 1/2"	1/4"	7.50
2876-R	4"	1/4"	7.70
2876-T	5"	1/4"	8.30
2876-V	6"	1/4"	8.90
2876-W	7"	1/4"	9.60
2876-X	8"	1/4"	10.50

For White Plated Heads } See Discount Sheet
For Nickel Plated Heads }

Brass Toggle Bolts

WITH PLAIN BRASS HEXAGON HEAD



Number	Length	Size	Per Hundred
2880-L	2 1/2"	3/16"	\$ 7.50
2880-N	3"	3/16"	8.10
2880-P	3 1/2"	3/16"	8.60
2880-R	4"	3/16"	9.70
2880-T	5"	3/16"	12.00
2880-V	6"	3/16"	14.20
2880-W	7"	3/16"	16.40
2880-X	8"	3/16"	18.50

Number	Length	Size	Per Hundred
2881-L	2 1/2"	1/4"	\$11.60
2881-N	3"	1/4"	12.20
2881-P	3 1/2"	1/4"	13.30
2881-R	4"	1/4"	14.40
2881-T	5"	1/4"	16.60
2881-V	6"	1/4"	18.90
2881-W	7"	1/4"	21.00
2881-X	8"	1/4"	23.30

For White Plated Heads } See Discount Sheet
For Nickel Plated Heads }



Steel Toggle Bolts

WITH PLAIN BRASS ROUND HEAD



Number	Length	Size	Per Hundred
2885-L	2 1/2"	1/8"	\$5.30
2885-N	3"	1/8"	5.40
2885-P	3 1/2"	1/8"	5.50
2885-R	4"	1/8"	5.80
2885-T	5"	1/8"	6.00
2885-V	6"	1/8"	6.20
2885-W	7"	1/8"	6.60
2885-X	8"	1/8"	7.20

Number	Length	Size	Per Hundred
2886-L	2 1/2"	1/4"	\$ 7.10
2886-N	3"	1/4"	7.30
2886-P	3 1/2"	1/4"	7.50
2886-R	4"	1/4"	7.70
2886-T	5"	1/4"	8.30
2886-V	6"	1/4"	8.90
2886-W	7"	1/4"	9.60
2886-X	8"	1/4"	10.50

For White Plated Heads }
For Nickel Plated Heads } See Discount Sheet

Brass Toggle Bolts

WITH PLAIN BRASS ROUND HEAD



Number	Length	Size	Per Hundred
2890-L	2 1/2"	3/16"	\$ 7.50
2890-N	3"	3/16"	8.10
2890-P	3 1/2"	3/16"	8.60
2890-R	4"	3/16"	9.70
2890-T	5"	3/16"	12.00
2890-V	6"	3/16"	14.20
2890-W	7"	3/16"	16.40
2890-X	8"	3/16"	18.50

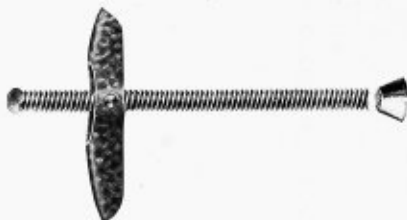
Number	Length	Size	Per Hundred
2891-L	2 1/2"	1/4"	\$11.60
2891-N	3"	1/4"	12.20
2891-P	3 1/2"	1/4"	13.30
2891-R	4"	1/4"	14.40
2891-T	5"	1/4"	16.60
2891-V	6"	1/4"	18.90
2891-W	7"	1/4"	21.00
2891-X	8"	1/4"	23.30

For White Plated Heads }
For Nickel Plated Heads } See Discount Sheet



Steel Toggle Bolts

WITH PLAIN BRASS FLAT HEAD



Number	Length	Size	Per Hundred
2895-L	2 1/2"	1/8"	\$5.30
2895-N	3"	1/8"	5.40
2895-P	3 1/2"	1/8"	5.50
2895-R	4"	1/8"	5.80
2895-T	5"	1/8"	6.00
2895-V	6"	1/8"	6.20
2895-W	7"	1/8"	6.60
2895-X	8"	1/8"	7.20

Number	Length	Size	Per Hundred
2896-L	2 1/2"	1/4"	\$ 7.10
2896-N	3"	1/4"	7.30
2896-P	3 1/2"	1/4"	7.50
2896-R	4"	1/4"	7.70
2896-T	5"	1/4"	8.30
2896-V	6"	1/4"	8.90
2896-W	7"	1/4"	9.60
2896-X	8"	1/4"	10.50

For White Plated Heads | See Discount Sheet
For Nickel Plated Heads |

Brass Toggle Bolts

WITH PLAIN BRASS FLAT HEAD



Number	Length	Size	Per Hundred
2900-L	2 1/2"	1/8"	\$ 7.50
2900-N	3"	1/8"	8.10
2900-P	3 1/2"	1/8"	8.60
2900-R	4"	1/8"	9.70
2900-T	5"	1/8"	12.00
2900-V	6"	1/8"	14.20
2900-W	7"	1/8"	16.40
2900-X	8"	1/8"	18.50

Number	Length	Size	Per Hundred
2901-L	2 1/2"	1/4"	\$11.60
2901-N	3"	1/4"	12.20
2901-P	3 1/2"	1/4"	13.30
2901-R	4"	1/4"	14.40
2901-T	5"	1/4"	16.60
2901-V	6"	1/4"	18.90
2901-W	7"	1/4"	21.00
2901-X	8"	1/4"	23.30

For White Plated Heads | See Discount Sheet
For Nickel Plated Heads |



Brass Toggle Bolts

NICKELED

FOR BATH ROOM FIXTURES



Number	Length	Size	Per Hundred
2905-J	2"	$\frac{1}{8}$ "	\$7.20
2905-N	3"	$\frac{1}{8}$ "	8.30

Heads for Toggle Bolts

BRASS NICKELED

TAPPED PART WAY

Number	Size	Style	Per Hundred
2910-E	$\frac{3}{16}$ "	Flat Head	\$3.00
2910-J	$\frac{1}{4}$ "	Flat Head	3.00
2911-E	$\frac{3}{16}$ "	Round Head	3.00
2911-J	$\frac{1}{4}$ "	Round Head	3.00



Number	Size	Style	Per Hundred
2915-E	$\frac{3}{16}$ "	Hexagon	\$3.00
2916-J	$\frac{1}{4}$ "	Hexagon	3.50

TAPPED THROUGH

Number	Size	Style	Per Hundred
2920-E	$\frac{3}{16}$ "	Hexagon	\$3.00
2921-J	$\frac{1}{4}$ "	Hexagon	3.50



Square Nuts for Toggle Bolts

BRASS

IRON



Number	Size	Per Hundred
2925-E	$\frac{3}{16}$ "	\$2.00
2925-J	$\frac{1}{4}$ "	2.50

Number	Size	Per Hundred
2926-E	$\frac{3}{16}$ "	\$0.30
2926-J	$\frac{1}{4}$ "	.40





Wolverine Knurled Expansion Bolts

BRASS NICKELED

ROUND HEAD

FOR BATH ROOM FIXTURES, ETC.

—NOTE—
"Holdtight"
Knurled
Expander



The small diameter of screws makes this a most convenient Bolt for fastening light or medium weight fixtures to marble, cement or tile

DIAMETER OF EXPANDER $\frac{1}{4}$ INCH

Number	Length	Size of Screw	Per Hundred
2930-E	$\frac{7}{8}$ "	$\frac{3}{32}$ " or 8-32	\$5.80
2930-F	1"	$\frac{3}{32}$ " or 8-32	6.00
2930-G	$1\frac{1}{4}$ "	$\frac{3}{32}$ " or 8-32	6.20
2930-H	$1\frac{1}{2}$ "	$\frac{3}{32}$ " or 8-32	7.20
2930-J	2"	$\frac{3}{32}$ " or 8-32	7.50

The careful machine work and perfect taper give all of our Expansion Bolts great firmness when screwed into place



—NOTE—
"Holdtight"
Knurled
Expander

DIAMETER OF EXPANDER 5-16 INCH

Number	Length	Size of Screw	Per Hundred
2931-E	$\frac{7}{8}$ "	$\frac{1}{16}$ " or 10-24	\$ 6.50
2931-F	1"	$\frac{1}{16}$ " or 10-24	6.60
2931-G	$1\frac{1}{4}$ "	$\frac{1}{16}$ " or 10-24	6.70
2931-H	$1\frac{1}{2}$ "	$\frac{1}{16}$ " or 10-24	8.00
2931-J	2"	$\frac{1}{16}$ " or 10-24	8.40
2931-L	$2\frac{1}{2}$ "	$\frac{1}{16}$ " or 10-24	12.20
2931-N	3"	$\frac{1}{16}$ " or 10-24	15.60
2931-P	$3\frac{1}{2}$ "	$\frac{1}{16}$ " or 10-24	20.00
2931-R	4"	$\frac{1}{16}$ " or 10-24	24.50

Furnished in Polished Brass Finish instead of Nickeled at same price.

For Flat Head Bolts, see Page 290

For Brick and Stone Drills, see Page 415

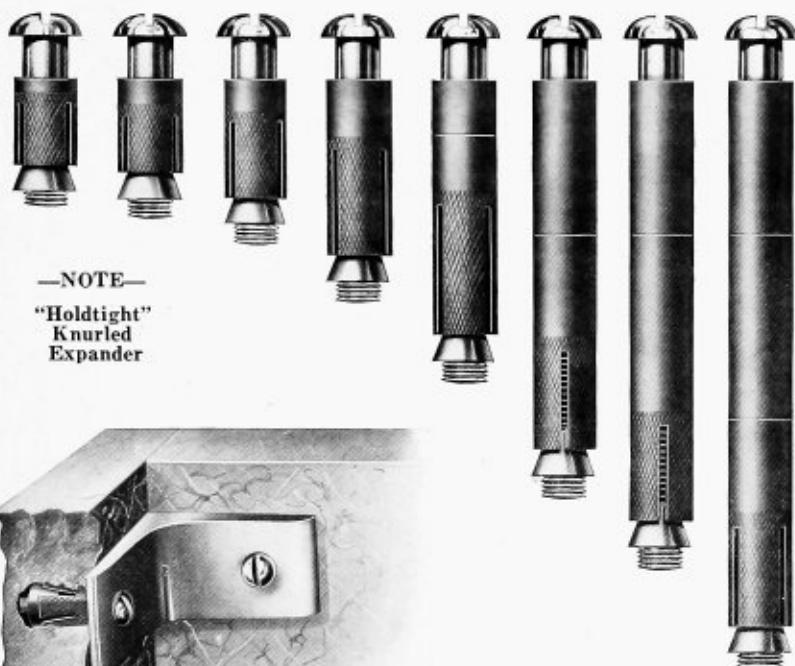
Wolverine Knurled Expansion Bolts



BRASS NIQUELED

ROUND HEAD

FOR ANGLES, HINGES, ETC.



—NOTE—
"Holdtight"
Knurled
Expander

DIAMETER OF EXPANDER $\frac{3}{8}$ -INCH

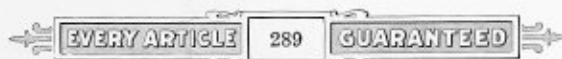
Number	Length	Size of Screw	Per Hundred
2932-F	1"	$\frac{1}{4}$ " or 14-20	\$ 8.90
2932-G	1 $\frac{1}{4}$ "	$\frac{1}{4}$ " or 14-20	9.00
2932-H	1 $\frac{1}{2}$ "	$\frac{1}{4}$ " or 14-20	10.80
2932-J	2"	$\frac{1}{4}$ " or 14-20	11.40
2932-L	2 $\frac{1}{2}$ "	$\frac{1}{4}$ " or 14-20	16.50
2932-N	3"	$\frac{1}{4}$ " or 14-20	21.00
2932-P	3 $\frac{1}{2}$ "	$\frac{1}{4}$ " or 14-20	25.00
2932-R	4"	$\frac{1}{4}$ " or 14-20	29.00
2932-T	5"	$\frac{1}{4}$ " or 14-20	34.00

Furnished in Polished Brass Finish instead of Niqueled at same price.

Every Wolverine Knurled Expansion Bolt is furnished with adjustable Brass Knurled Expander and Sleeves up to within $\frac{1}{4}$ -inch of the head.

For Flat Head Bolts, see Page 290

For Brick and Stone Drills, see page 415





Wolverine Knurled Expansion Bolts

STEEL NICKELED

ROUND HEAD

WITH BRASS KNURLED EXPANDER



DIAMETER OF EXPANDER 1/4-INCH

Number	Length	Size of Screw	Per Hundred
2935-E	7/8"	5/8" or 8-32	\$ 5.60
2935-F	1"	5/8" or 8-32	5.80
2935-G	1 1/4"	5/8" or 8-32	6.00
2935-H	1 1/2"	5/8" or 8-32	6.70
2935-J	2"	5/8" or 8-32	7.00

DIAMETER OF EXPANDER 5-16 INCH

Number	Length	Size of Screw	Per Hundred
2936-E	7/8"	1 1/2" or 10-24	\$ 6.30
2936-F	1"	1 1/2" or 10-24	6.40
2936-G	1 1/4"	1 1/2" or 10-24	6.50
2936-H	1 1/2"	1 1/2" or 10-24	7.60
2936-J	2"	1 1/2" or 10-24	7.80
2936-L	2 1/2"	1 1/2" or 10-24	11.20
2936-N	3"	1 1/2" or 10-24	14.00
2936-P	3 1/2"	1 1/2" or 10-24	17.50
2936-R	4"	1 1/2" or 10-24	21.50

DIAMETER OF EXPANDER 3/8-INCH

Number	Length	Size of Screw	Per Hundred
2937-F	1"	1/4" or 14-20	\$ 8.40
2937-G	1 1/4"	1/4" or 14-20	8.50
2937-H	1 1/2"	1/4" or 14-20	10.00
2937-J	2"	1/4" or 14-20	10.40
2937-L	2 1/4"	1/4" or 14-20	15.00
2937-N	3"	1/4" or 14-20	19.00
2937-P	3 1/2"	1/4" or 14-20	22.00
2937-R	4"	1/4" or 14-20	25.00
2937-T	5"	1/4" or 14-20	30.00



Flat Head

Any size or style of Wolverine Knurled Expansion Bolts will be furnished with Flat Head, if so specified, at the same price as Round Head.

Every Wolverine Expansion Bolt is furnished with adjustable Brass Knurled Expander and Sleeves up to within 1/4-inch of the head.

For Brick and Stone Drills, see Page 415



Expansion Anchors

SOFT METAL

FOR WOOD SCREWS



SCREWS ARE NOT INCLUDED IN LIST

Number	For Screw Number	Outside Diameter	Length of Anchor	Per Hundred
2945-B	5- 6- 7	$\frac{1}{4}$ "	$\frac{5}{8}$ "	\$3.30
2945-C	6- 7- 8	$\frac{1}{8}$ "	$\frac{1}{2}$ "	3.50
2945-D	9-10-11	$\frac{1}{8}$ "	$\frac{3}{4}$ "	4.00
2945-E	9-10-11	$\frac{1}{8}$ "	1"	4.00
2945-F	12-13-14	$\frac{3}{8}$ "	1"	4.50
2945-G	12-13-14	$\frac{3}{8}$ "	$1\frac{1}{4}$ "	5.00
2945-H	12-13-14	$\frac{3}{8}$ "	$1\frac{1}{2}$ "	5.40

"Wolverine" Anchors will not discolor the finest granite, marble or tile. Also used on concrete, brick and cement.

Having succeeded in producing a mixture from basic metals possessing correct toughness without too great hardness (so that screw cuts its own thread) gives you an "anchor" sufficiently hard to maintain a most positive hold when expanded.

"The Anchor that Holds."

Nickel Plated Washers

FOR TOGGLE AND EXPANSION BOLTS

Number	Diameter	For Bolt	Per Hundred
2950-C	$\frac{5}{8}$ "	$\frac{3}{2}$ " or $\frac{3}{8}$ "	\$1.00
2950-J	$\frac{5}{8}$ "	$\frac{1}{4}$ "	1.00
2951-C	$\frac{7}{8}$ "	$\frac{3}{2}$ " or $\frac{3}{8}$ "	1.20
2951-J	$\frac{7}{8}$ "	$\frac{1}{4}$ "	1.20



Other styles of Nickel Plated Washers Listed on Page 295
Brick and Stone Drills Listed on Page 415
Wood Screws Listed on Page 296



Wolverine Knurled Expansion Bolts

BRASS NICKELED

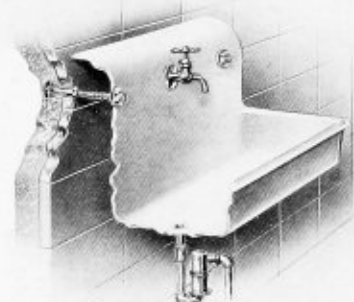
WITH HEXAGON HEAD AND WASHERS

FOR HEAVY WORK



DIAMETER OF EXPANDER $\frac{3}{8}$ -INCH

Number	Length	Size of Screw	Per Hundred
2955-G	1 $\frac{1}{4}$ "	$\frac{1}{4}$ " or 14-20	\$16.00
2955-H	1 $\frac{1}{2}$ "	$\frac{1}{4}$ " or 14-20	17.00
2955-J	2"	$\frac{1}{4}$ " or 14-20	19.00
2955-L	2 $\frac{1}{2}$ "	$\frac{1}{4}$ " or 14-20	22.00
2955-N	3"	$\frac{1}{4}$ " or 14-20	26.00
2955-P	3 $\frac{1}{2}$ "	$\frac{1}{4}$ " or 14-20	30.00
2955-R	4"	$\frac{1}{4}$ " or 14-20	34.00
2955-T	5"	$\frac{1}{4}$ " or 14-20	42.00
2955-V	6"	$\frac{1}{4}$ " or 14-20	50.00



Especially desirable when a space exists between the wall and surface of article attached. (See Illustration)

Floor Flange Bolts

BRASS NICKELED

WITH NICKEL PLATED WASHER



Number	Length	Size	Per Hundred
2960-I	1 $\frac{3}{4}$ "	$\frac{1}{4}$ "	\$ 8.20
2960-J	2"	$\frac{1}{4}$ "	8.50
2960-L	2 $\frac{1}{2}$ "	$\frac{1}{4}$ "	8.70
2961-I	1 $\frac{3}{4}$ "	$\frac{3}{8}$ "	9.70
2961-J	2"	$\frac{3}{8}$ "	10.00
2961-L	2 $\frac{1}{2}$ "	$\frac{3}{8}$ "	10.20

WITHOUT NICKEL PLATED WASHER

Number	Length	Size	Per Hundred
2963-I	1 $\frac{3}{4}$ "	$\frac{1}{4}$ "	\$7.50
2963-J	2"	$\frac{1}{4}$ "	7.80
2963-L	2 $\frac{1}{2}$ "	$\frac{1}{4}$ "	8.00
2964-I	1 $\frac{3}{4}$ "	$\frac{3}{8}$ "	9.00
2964-J	2"	$\frac{3}{8}$ "	9.30
2964-L	2 $\frac{1}{2}$ "	$\frac{3}{8}$ "	9.50

Closet Floor Flanges Listed on Pages 323-324

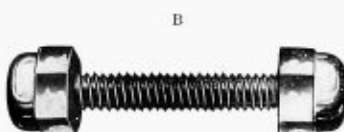




Urinal Bolts

BRASS NICKELED

FOR CLOSETS, URINAL STALLS, ETC.



Number	Length	Style	Size	Per Hundred
2970	1 1/2"	A	1/4"	\$10.00
2971	1 1/2"	A	5/16"	11.50
2972	1 1/4"	B	1/4"	11.50
2973	1 1/4"	B	5/16"	13.00
2974	1 1/2"	C	1/4"	7.00
2975	1 1/2"	C	5/16"	8.50

Nickel Plated Brass Heads

ROUND BASE



Number	Style	Tapped	Per Hundred
2980	Tapped Through	1/4"	\$3.50
2981	Tapped Part Way	1/4"	3.50

HEAVY HEXAGON BASE

Number	Style	Tapped	Per Hundred
2985-J	Tapped Through	1/4"	\$4.00
2985-K	Tapped Through	5/16"	4.00
2986-J	Tapped Part Way	1/4"	4.00
2986-K	Tapped Part Way	5/16"	4.00



Threaded Brass Rod



Number	2990-E	2990-J	2990-K
Size	1/8"	1/4"	5/8"
Per Foot	\$0.20	\$0.25	\$0.30

Regularly furnished in one-foot lengths

Angles

BRASS NICKELED



Number	Size	Per Dozen
2995	1 1/2" x 1 1/2" x 7/8"	\$3.20
2996	1 3/4" x 1 3/4" x 1 1/8"	3.60
2997	1 7/8" x 1 7/8" x 1 1/8"	3.60

Hexagon Nuts

HEAVY PLAIN BRASS



Number	Size	Per Hundred
3000-E	1/8"	\$2.50
3000-J	1/4"	3.00
3000-K	5/8"	3.00

For other style Nuts, see
Page 298



Closet Screws

NICKELED

SOLID HEADS, PLAIN SQUARE



Number	Style	Length	Size	Per Hundred
3010	Steel	2"	$\frac{1}{8}$ "	\$3.40
3010-B	Brass	2"	$\frac{1}{8}$ "	5.40

REMOVABLE HEADS, FANCY SQUARE



Number	Style	Length	Size	Per Hundred
3013	Steel Screw, Brass Head	$2\frac{1}{2}$ "	$\frac{1}{4}$ "	\$ 4.00
3013-B	Brass Screw, Brass Head	$2\frac{1}{2}$ "	$\frac{1}{4}$ "	4.50
3015-B	Brass Screw, Brass Head	3"	$\frac{1}{4}$ "	8.00
3017-B	Brass Screw, Brass Head	4"	$\frac{1}{4}$ "	10.00

REMOVABLE HEADS, HEAVY HEXAGON



Number	Style	Length	Size	Per Hundred
3020	Steel Screw, Brass Head	$2\frac{1}{2}$ "	$\frac{5}{16}$ "	\$ 5.50
3020-B	Brass Screw, Brass Head	$2\frac{1}{2}$ "	$\frac{5}{16}$ "	6.50
3025	Steel Screw, Brass Head	5"	$\frac{5}{16}$ "	16.00
3025-B	Brass Screw, Brass Head	5"	$\frac{5}{16}$ "	20.00

For above Closet Screws furnished with Nickel Plated Washers, see Discount Sheet
Screws Numbers 3015-B, 3017-B, 3025, 3025-B are useful to reach through cement
floors, etc.

Closet Screws with Washers

NICKELED

REMOVABLE HEADS, REGULAR PATTERN



Number	Style	Length	Size	Per Hundred
3030	Steel Screw, Brass Head	$2\frac{1}{2}$ "	$\frac{1}{4}$ "	\$3.90
3030-B	Brass Screw, Brass Head	$2\frac{1}{2}$ "	$\frac{1}{4}$ "	4.40

Floor Flange Bolts Listed on Page 292



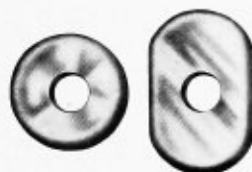
Nickel Plated Washers

FOR CLOSET BOLTS, SCREWS, ETC.

Number	Style	Per Hundred
3035	Round	\$1.20
3036	Oval	1.50
3037	Oval Long	1.80



EXTRA HEAVY BRASS



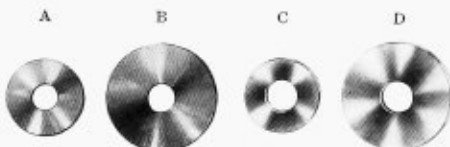
ROUND EDGES

Number	Style	Per Hundred
3040	Round	\$2.30
3041	Oval	2.70

SCREW WASHERS

FLAT FOR ROUND HEAD

Number	Style	For Screw	Per Hundred
3043-A	"A"	10 or 12	\$1.00
3044-B	"B"	10 or 12	1.20
3045-C	"C"	14	1.00
3046-D	"D"	14	1.20



COUNTERSUNK

FOR FLAT HEAD



Number	Per Hundred
3048	\$2.00

WASHERS, LARGE SIZES

Number	Diameter	Hole	Per Dozen
3050-G	1 1/4"	1/4"	\$0.80
3050-H	1 1/2"	1/4"	1.00
3050-I	1 3/4"	1/4"	1.20
3050-J	2"	1/4"	1.50
3050-K	2 1/4"	1/4"	1.80
3050-M	2 5/8"	1/4"	2.40
3050-N	3"	1/4"	3.60
3050-P	3 1/2"	1/4"	4.80





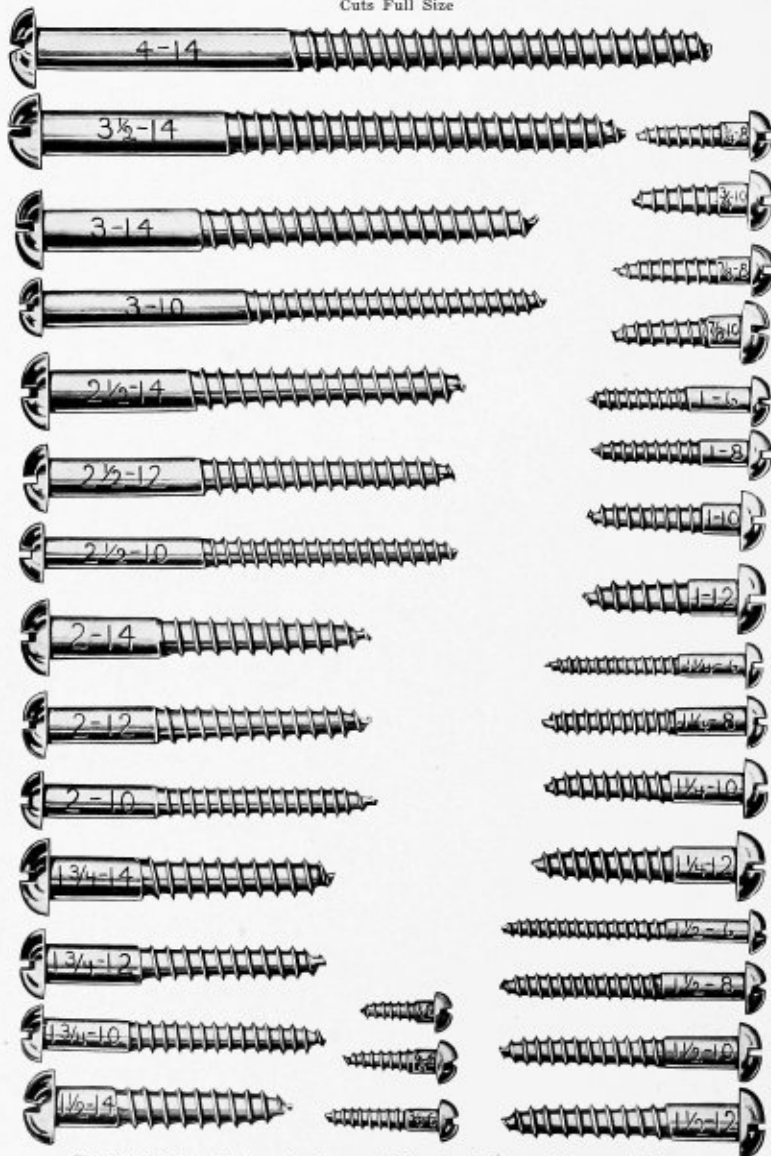
Wood Screws

NICKELED

BRASS AND STEEL

ROUND HEAD

Cuts Full Size



For Net Price List and sizes not illustrated, see Discount Sheet



Plumbers' Assortments

NICKELED

WOOD SCREWS, LARGE SIZES

ROUND HEAD



Number	Description	Per Box
3055	One Gross Assorted Steel	\$ 3.00
3056	Two Gross Assorted Steel	5.00
3057	One Gross Assorted Brass	8.00
3058	Two Gross Assorted Brass	15.00

For List of Sizes, see Discount Sheet

SPRING BRASS COTTER PINS

HEAVY



Number	Length	Diameter	Per Hundred
3060-B	$\frac{1}{2}$ "	$\frac{1}{8}$ "	\$1.50
3060-D	$\frac{3}{4}$ "	$\frac{1}{8}$ "	1.50
3060-F	1"	$\frac{1}{8}$ "	1.50
3060-H	1"	$\frac{3}{16}$ "	2.00
3060-J	$1\frac{1}{4}$ "	$\frac{3}{16}$ "	2.50
3060-L	$1\frac{1}{2}$ "	$\frac{3}{16}$ "	3.00

Number	Per Box
3061 One Hundred Assorted . . .	\$2.00





Plumbers' Brass Machine Screws

PERFECT THREADS



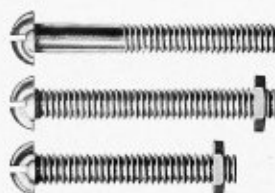
		List Per Dozen							
Screw Gauge No.	Threads to the Inch	$\frac{3}{8}$ -in.	$\frac{1}{2}$ -in.	$\frac{5}{8}$ -in.	Length $\frac{3}{4}$ -in.	1-in.	1 $\frac{1}{4}$ -in.	1 $\frac{1}{2}$ -in.	2-in.
4	36	\$0.30	\$0.30	\$0.30	\$0.40	\$0.45	\$0.45	\$0.50	\$0.55
6	32	.30	.30	.30	.40	.45	.45	.50	.55
8	32	.30	.30	.30	.40	.45	.50	.55	.60
9	24	.30	.30	.30	.40	.45	.50	.55	.60
9	32	.30	.30	.30	.40	.45	.50	.55	.60
10	24	.30	.30	.30	.40	.45	.50	.55	.60
10	28	.30	.30	.30	.40	.45	.50	.55	.65
10	32	.30	.30	.30	.40	.45	.50	.55	.65
11	24	.35	.35	.45	.45	.55	.55	.60	.70
12	24	.35	.35	.45	.45	.55	.55	.60	.70
14	20	.40	.40	.50	.50	.60	.60	.65	.75

For Prices on Nickel Plated Screws and Nuts, see Discount Sheet

Nickel Plated Bolts

BRASS

FOR DOHERTY WORK, ETC.



List Per Dozen						
Screw Gauge No.	Threads to the Inch	$\frac{3}{8}$ -in.	1-in.	1 $\frac{1}{4}$ -in.	1 $\frac{1}{2}$ -in.	2-in.
6	32	\$0.90	\$0.95	\$0.95	\$1.00	\$1.05
8	32	.90	.95	1.00	1.05	1.10
9	24	.90	.95	1.00	1.05	1.10
10	24	.90	.95	1.00	1.05	1.10
11	24	.95	1.05	1.05	1.10	1.20
12	24	.95	1.05	1.05	1.10	1.20
14	20	1.00	1.10	1.10	1.15	1.25

Small Brass Nuts

HEXAGON



Number	3070-B	3070-C	3070-D	3070-E	3070-F	3070-G	3070-H	3070-I	3070-J
For Screw No.	6	8	9	10	10	10	11	12	14
Threads to Inch	32	32	32	24	28	32	24	24	20
Per Gross	\$3.00	\$3.00	\$3.00	\$3.00	\$3.00	\$3.00	\$3.60	\$3.60	\$3.60

ROUND



Number	Size	Per Gross
3071-E	10-24	\$3.00



SQUARE

Number	Style	Size	Per Gross
3072-G	A	10-32	\$3.00
3073-I	A	12-24	3.60
3074-I	B	12-24	3.60
3075-E	C	10-24	3.00
3075-J	C	14-20	3.60



Plumbers' Assortments

STRONG PARTITIONED METAL BOXES

BRASS NUTS AND SCREWS



A Size for
Every Bibb

The Kind
You Use

Tweezers Included for Easy Handling

Number

3078

3079

Two Gross Assorted

One Gross Assorted

Per Box

\$5.00

3.00

SCREWS



NUTS



Number

3082

3083

Two Gross Assorted

One Gross Assorted

Per Box

\$5.00

3.00

Number

3086

3087

Two Gross Assorted

One Gross Assorted

Per Box

\$5.00

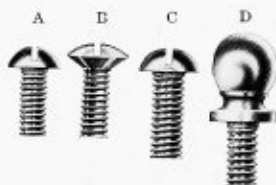
3.00

NOTE—Sizes labeled in cover to correspond with partitions



Compression Work Repairs

BRASS SCREWS



Number	Size	Style	Description	Finish	Per Dozen
3090-A	$\frac{3}{8}$ "-8-32	A	Round Head for Bottom Washer	Plain	\$0.30
3090-B	$\frac{3}{8}$ "-10-28	B	Oval Head for Handles	Plain	.40
3090-C	$\frac{1}{2}$ "-10-28	C	Round Head for Handles	Plain	.30
3090-D	$\frac{3}{8}$ "-10-28	D	Ball Pattern for Handles	Nickeled	.60

ASSORTMENT COMPRESSION SCREWS AND NUTS

STRONG, PARTITIONED METAL BOX

Number		Per Box
3092	Two Gross Assorted	\$5.00
3093	One Gross Assorted	3.00

Assortment carefully selected



BRASS NUTS



Number	3096-E	3096-G	3096-C
Style	Round	Square	Hexagon
Size	10-24	10-32	8-32
Per Dozen	\$0.30	\$0.30	\$0.30

FELT PACKING

FOR SELF-CLOSING WORK

Number	Size	Per Dozen
3098	$\frac{11}{16}$ " O. D. $\frac{1}{4}$ " Thick	\$0.40



STEM PACKING

FOR HIGH STEM CAPS



Number	Description	Per Dozen
3100	Complete Sets	\$0.90
3101	C. I. Packing only	.50
3102	Brass Washer only	.30
3103	Fibre Washer only	.20

For Compression Top Washers, see Page 358

Compression Work Repairs



BIBB REPAIRS



POLISHED BRASS

Number	Size	Per Dozen
3105	For $\frac{1}{2}$ " Bibbs	\$4.80
3106	For $\frac{5}{8}$ " Bibbs	4.80
3107	For $\frac{1}{2}$ " Bibbs Less Handle	3.60
3108	For $\frac{5}{8}$ " Bibbs Less Handle	3.60

To replace worn-out stem in Compression Bibbs.
Makes old Compression Bibbs good as new.
Don't throw away the old Bibb.

ASSORTMENT COMPRESSION REPAIRS

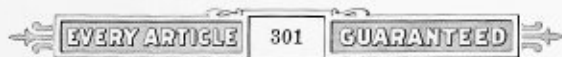
INCLUDING BIBB REPAIRS, SEAT CAPS, SCREWS, BOLTS, NUTS, WASHERS, ETC.



Number	Per Box
3110	Assortment as shown \$9.00

For List of Repairs, see Discount Sheet

An exceptionally handy assortment for repairing Compression Work of any nature
Fuller Repairs Listed on Pages 303-306





Sill Cock Handles

BRASS WHITE PLATED

FOR ROUND STEM



WITH SET SCREW

Number	Fits Stem	Per Dozen
3112	$\frac{1}{4}$ " to $\frac{1}{16}$ "	\$3.60

Handle is securely held on stem by means of set screw.

To replace the lost or broken handle of various makes of Sill Cocks.

FOR SQUARE STEM



Number	Size of Opening	Per Dozen
3114	$\frac{3}{8}$ "	\$2.00
3115	$\frac{1}{2}$ "	2.00

Handle with $\frac{3}{8}$ -inch opening for Sill Cocks Listed on Page 89

Garden Valve Screws

BRASS



Number	Length	Size	Threads	Per Dozen
3117-A	$\frac{3}{8}$ "	18	18	\$0.50
3117-B	$\frac{1}{2}$ "	18	20	.50

Pump Valve Screws

BRASS



Number	Length	Size	Threads	Per Dozen
3119-A	$\frac{3}{8}$ "	14	24	\$0.40
3119-B	$\frac{1}{2}$ "	14	24	.40

Fuller Work Repairs



FULLER BIBB REDUCER

Number	To Reduce	Finish	Per Dozen
3121	$\frac{5}{8}$ " & $\frac{3}{4}$ " Shank	Plain Brass	\$1.70
3121-N	to $\frac{1}{2}$ " Body	Nickel Plated	2.40

FULLER ECCENTRIC SCREWS

Number	Size	Style	Finish	Per Dozen
3123	$\frac{3}{8}$ " 10-28	Cap Head	Plain	\$0.30
3123-N	$\frac{3}{8}$ " 10-28	Cap Head	Nickeled	.40
3124	$\frac{3}{8}$ " 10-28	Countersunk	Plain	.40
3124-N	$\frac{3}{8}$ " 10-28	Countersunk	Nickeled	.50



FULLER STEM NUTS



Number	Size	Style	Per Dozen
3126	12-24	Square	\$0.30
3127	12-24	Hexagon	.30

For Nut and Screw Assortments, see Page 299



Fuller Work Repairs

FULLER STEM PACKINGS

LEAD AND FELT



Number	Description	Per Dozen
3129	Complete Sets	\$0.70
3130	Felt Packing $\frac{5}{8}$ " O. D. $\frac{1}{4}$ " thick	.40
3131	Lead Rings $\frac{5}{8}$ " O. D. $\frac{3}{8}$ " thick	.20

CLOTH INSERTED AND FIBRE



Number	Description	Per Dozen
3133	Complete Sets	\$1.00
3134	C. I. Packing $\frac{1}{2}$ " O. D. $\frac{1}{8}$ " thick	.90
3135	Fibre Rings $\frac{1}{2}$ " O. D. $\frac{1}{8}$ " thick	.20

For Compression Stem Packings, see Page 358

BRASS RINGS

Number	Size	Per Dozen
3137	$\frac{1}{8}$ " O. D. $\frac{3}{32}$ " thick	\$0.30
3138	$\frac{1}{2}$ " O. D. $\frac{3}{32}$ " thick	.30



FULLER CAPS

HEAVY COPPER



Number	3140-A	3140-B	3140-C	3140-D	3140-E	3140-F	3140-G	3140-J
Size	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{1}{2}$ "	$\frac{5}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "	$\frac{1}{2}$ "	1"
Per Dozen . . .	\$0.40	\$0.40	\$0.40	\$0.40	\$0.50	\$0.50	\$0.50	\$0.90
Per Hundred .	\$2.10	\$2.10	\$2.10	\$2.10	\$2.80	\$2.80	\$2.80	\$5.00

EXTRA HEAVY COPPER

Number	3141-A	3141-B	3141-C	3141-D	3141-E	3141-F	3141-G	3141-J
Size	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{1}{2}$ "	$\frac{5}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "	$\frac{1}{2}$ "	1"
Per Dozen . . .	\$0.60	\$0.60	\$0.60	\$0.60	\$0.70	\$0.70	\$0.70	\$1.10
Per Hundred .	\$3.50	\$3.50	\$3.50	\$3.50	\$5.00	\$5.00	\$5.00	\$8.00

Plumbers' Assortments

FULLER STEM CAPS

Strong Partitioned Metal Boxes

ONE GROSS ASSORTED

Number	Per Box
3143 Heavy	\$3.00
3144 Extra Heavy . . .	5.50

A Handy Assortment for the Plumber

Sizes Labeled in Cover to correspond with Partitions



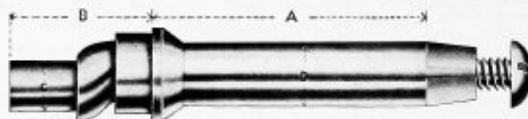


Fuller Work Repairs

CAST BRASS

ECCENTRICS

FOR BIBBS AND BASIN COCKS



REGULAR PATTERN

Number	Brass Finish Per Dozen	Size	A	B	C	D	Number	Nickel Plated Per Dozen
3150	\$2.40	$\frac{3}{8}$ "	$1\frac{1}{8}$ "	$\frac{7}{8}$ "	$\frac{5}{8}$ "	$\frac{3}{8}$ "	3150-N	\$2.80
3151	2.40	$\frac{1}{2}$ "	$1\frac{1}{2}$ "	$1\frac{1}{8}$ "	$\frac{7}{8}$ "	$\frac{3}{8}$ "	3151-N	2.80
3152	2.40	$\frac{5}{8}$ "	$1\frac{3}{4}$ "	$1\frac{1}{2}$ "	$1\frac{1}{8}$ "	$\frac{3}{8}$ "	3152-N	2.80
3153	3.20	$\frac{3}{4}$ "	$1\frac{1}{2}$ "	$1\frac{1}{8}$ "	$\frac{7}{8}$ "	$\frac{3}{8}$ "	3153-N	3.60
3154	4.80	1"	$1\frac{7}{8}$ "	$1\frac{1}{4}$ "	$\frac{3}{4}$ "	$\frac{3}{8}$ "	3154-N	5.20

WOLFF PATTERN

Number	Brass Finish Per Dozen	Size	A	B	C	D	Number	Nickel Plated Per Dozen
3160	\$2.40	$\frac{3}{8}$ "	$1\frac{1}{8}$ "	$\frac{7}{8}$ "	$\frac{5}{8}$ "	$\frac{3}{8}$ "	3160-N	\$2.80
3161	2.40	$\frac{1}{2}$ "	$1\frac{1}{2}$ "	$\frac{7}{8}$ "	$\frac{7}{8}$ "	$\frac{3}{8}$ "	3161-N	2.80
3162	2.40	$\frac{5}{8}$ "	$1\frac{3}{4}$ "	$\frac{7}{8}$ "	$\frac{7}{8}$ "	$\frac{3}{8}$ "	3162-N	2.80

CHICAGO PATTERN

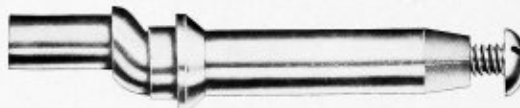
Number	Brass Finish Per Dozen	Size	A	B	C	D	Number	Nickel Plated Per Dozen
3170	\$2.40	$\frac{3}{8}$ "	$1\frac{1}{8}$ "	$\frac{7}{8}$ "	$\frac{5}{8}$ "	$\frac{3}{8}$ "	3170-N	\$2.80
3171	2.40	$\frac{1}{2}$ "	$1\frac{1}{2}$ "	$\frac{7}{8}$ "	$\frac{5}{8}$ "	$\frac{3}{8}$ "	3171-N	2.80
3172	2.40	$\frac{5}{8}$ "	$1\frac{3}{4}$ "	$\frac{7}{8}$ "	$\frac{5}{8}$ "	$\frac{3}{8}$ "	3172-N	2.80

MILWAUKEE PATTERN

Number	Brass Finish Per Dozen	Size	A	B	C	D	Number	Nickel Plated Per Dozen
3180	\$2.40	$\frac{3}{8}$ "	$1\frac{1}{8}$ "	$\frac{7}{8}$ "	$\frac{1}{4}$ "	$\frac{3}{8}$ "	3180-N	\$2.80
3181	2.40	$\frac{1}{2}$ "	$1\frac{1}{2}$ "	$\frac{7}{8}$ "	$\frac{1}{4}$ "	$\frac{3}{8}$ "	3181-N	2.80
3182	2.40	$\frac{5}{8}$ "	$1\frac{3}{4}$ "	$\frac{7}{8}$ "	$\frac{1}{4}$ "	$\frac{3}{8}$ "	3182-N	2.80

ECCENTRICS

FOR BATH COCKS



WOLVERINE PATTERN

Number	Brass Finish Per Dozen	A	B	C	D	Number	Nickel Plated Per Dozen
3189	\$2.80	$1\frac{1}{8}$ "	$\frac{7}{8}$ "	$\frac{5}{32}$ "	$\frac{3}{8}$ "	3189-N	\$3.20
		$1\frac{1}{2}$ "					

REGULAR PATTERN

Number	Brass Finish Per Dozen	A	B	C	D	Number	Nickel Plated Per Dozen
3190	\$2.80	$1\frac{1}{8}$ "	1"	$\frac{5}{32}$ "	$\frac{3}{8}$ "	3190-N	\$3.20
3191	2.80	$1\frac{1}{2}$ "	1"	$\frac{5}{32}$ "	$\frac{3}{8}$ "	3191-N	3.20

NOTE—

Bath Cocks Taking

Nos. 3189, 3189-N Eccentrics require No. 3201 Stems
 Nos. 3190, 3190-N Eccentrics require No. 3197 Stems
 Nos. 3191, 3191-N Eccentrics require No. 3201 Stems

Fuller Stems with Wolverine Balls



CAST BRASS

ADJUSTABLE PATTERN

All Stems
Equipped with
Genuine Highest
Grade Wolverine
Fuller Balls



All Stems
Equipped with
Heavy Solid Copper
Fuller Stem Caps

Wolverine adjustable Fuller Stems can be adjusted to fit any Fuller Bibb, Basin or Bath Cock.

FOR REGULAR AND WOLFF ECCENTRICS. EYE DRILLED 5-16 INCH

Number	3195	3196	3197	3198
Size	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{5}{8}$ "	$\frac{3}{4}$ "
Per Dozen	\$3.20	\$3.20	\$3.20	\$4.00

FOR CHICAGO ECCENTRICS. EYE DRILLED 9-32 INCH

Number	3200	3201	3202	3203
Size	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{5}{8}$ "	$\frac{3}{4}$ "
Per Dozen	\$3.20	\$3.20	\$3.20	\$4.00

FOR MILWAUKEE ECCENTRICS. EYE DRILLED $\frac{1}{4}$ INCH

Number	3205	3206	3207	3208
Size	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{5}{8}$ "	$\frac{3}{4}$ "
Per Dozen	\$3.20	\$3.20	\$3.20	\$4.00

NOTE—A stock of Stems, Nos. 3205-6-7, will prove especially convenient, as the small hole in the eye can be easily drilled out to fit any size of eccentric.

STANDARD PATTERN



FOR REGULAR ECCENTRICS

Number	3210	3211	3212	3213	3214
Size	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{5}{8}$ "	$\frac{3}{4}$ "	1"
Hole in Eye	$\frac{1}{16}$ "	$\frac{1}{16}$ "	$\frac{1}{16}$ "	$\frac{1}{16}$ "	$\frac{3}{16}$ "
Length at E	$1\frac{1}{32}$ "	$1\frac{1}{32}$ "	$1\frac{1}{32}$ "	$1\frac{1}{32}$ "	$1\frac{1}{32}$ "
Per Dozen	\$2.40	\$2.40	\$2.40	\$3.20	\$4.80

FOR WOLFF ECCENTRICS

Number	3215	3216	3217
Size	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{5}{8}$ "
Hole in Eye	$\frac{1}{16}$ "	$\frac{1}{16}$ "	$\frac{1}{16}$ "
Length at E	$1\frac{1}{32}$ "	$1\frac{1}{32}$ "	$1\frac{1}{32}$ "
Per Dozen	\$2.40	\$2.40	\$2.40

FOR CHICAGO ECCENTRICS

Number	3220	3221	3222
Size	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{5}{8}$ "
Hole in Eye	$\frac{1}{32}$ "	$\frac{1}{32}$ "	$\frac{1}{32}$ "
Length at E	$1\frac{1}{32}$ "	$1\frac{1}{32}$ "	$1\frac{1}{32}$ "
Per Dozen	\$2.40	\$2.40	\$2.40

FOR MILWAUKEE ECCENTRICS

Number	3225	3226	3227
Size	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{5}{8}$ "
Hole in Eye	$\frac{1}{4}$ "	$\frac{1}{4}$ "	$\frac{1}{4}$ "
Length at E	$1\frac{1}{32}$ "	$1\frac{1}{32}$ "	$1\frac{1}{32}$ "
Per Dozen	\$2.40	\$2.40	\$2.40



Fuller Work Repairs

PLUMBER'S ASSORTMENT



Number	Per Box
3235	\$7.00

Assortment includes Stems, Eccentrics, Nuts, Screws, Stem Caps, Lead and Felt Stem Packings.

Bath Cock Repairs

BRASS NIQUELED

Number	Size of Expander	Per Dozen
3245	$\frac{5}{8}$ " O. D.	\$6.00
3246	$\frac{3}{4}$ " O. D.	6.00



EXPANSION RUBBER



Number	Size	Per Dozen
3245-R	$\frac{5}{8}$ " O. D.	\$0.70
3246-R	$\frac{3}{4}$ " O. D.	.70

Wolverine Boiler Repairs

BRASS



SMALL



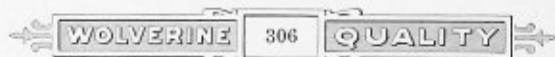
MEDIUM



LARGE

Number	Per Dozen	Number	Per Dozen	Number	Per Dozen
3255	\$4.00	3256	\$5.00	3260	\$6.00

NOTE—Shape of Plate to conform with Boiler.
Special Rubber Washers furnished to stand hot water and steam



Wolverine Tap Plugs

TOOL STEEL TEMPERED

Patented



MILLED SLOT
Giving Sharp
Cutting Edge



THREADS MACHINED
Perfectly, not Cast
or Rolled

Number	Size	Per Dozen
3270-A	$\frac{1}{4}$ "	\$3.50

CUTS AND TAPS ITS WAY THROUGH

Head Recessed
so that
Gasket Cannot
Blow Out

For Repairing
Leaks in Boilers,
Radiators, Iron
Pipe Fittings, etc.



Easy to Operate,
the Only Tool
Required is an
Ordinary
Wrench

Can be
Applied Without
Shutting off Water
or Draining
Fixture

Number	Size	Per Dozen
3270-B	$\frac{1}{8}$ "	\$3.50
3270-C	$\frac{3}{8}$ "	3.50

All Cuts Actual Size



Number	Size	Per Dozen
3270-D	$\frac{7}{16}$ "	\$4.00
3270-E	$\frac{1}{2}$ "	4.00
3270-F	$\frac{9}{16}$ "	4.00





Wolverine Tap Plugs

TOOL STEEL TEMPERED

Patented

ASSORTMENTS



Number		Per Box
3271	Three Dozen assorted	\$ 9.80
3272	Six Dozen assorted	17.60



Range Boiler



Radiator



Water Heater



Sectional View
through Heavy Plate



Cast Iron Pipe

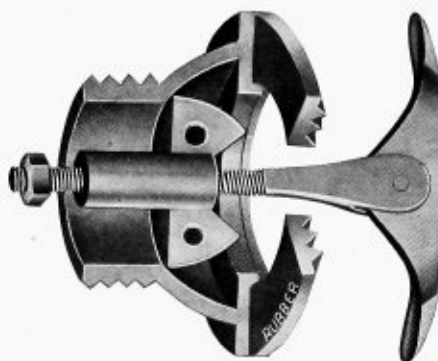


Perfection Closet Repair

BRASS

WITH SPECIAL GASKET

Patented



A Quick,
Positive
and Tight
Joint

Adjustable
to Most
Makes of
Closets

Number	Size	Per Dozen
3280	1 1/4"	\$14.40
3281	2"	19.20

Closet Spud Fittings

BRASS NICKELED

REDUCERS



Number	Size	Per Dozen
3290	1 1/2" Female x 1 1/4" Male	\$6.00
3291	2" Female x 1 1/4" Male	6.00
3292	2" Female x 1 1/2" Male	7.20

Changes a Low-Down Bowl for use with a High Tank

INCREASERS

Number	Size	Per Dozen
3295	1 1/4" Female x 2" Male	\$7.20
3296	1 1/2" Female x 2" Male	8.40

Changes a High Tank Bowl for use with Low-Down Tank



CLOSET SPUD

WITH LOCK NUT, FRICTION RING
AND NICKEL PLATED COUPLING NUT



Number	Size	Per Dozen
3305	2"	\$8.40
3306	Galvanized Friction Ring only	.40

Nickel Plated Nuts Listed on Page 99



Combination Seat Hinges

CAST BRASS NIQUELED

OFFSET



Number

3320 Complete with N. P. Brass Screws \$1.80

Per Pair



Number

3325 Complete with N. P. Brass Screws \$1.50

Per Pair

Seat Hinges

BRASS NIQUELED

TWO LEAF HINGE

THREE LEAF HINGE



Number

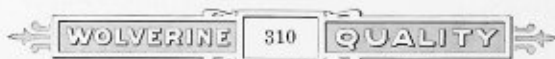
3333 Two Leaf, with N. P. Brass Screws \$ 5.40

3334 Three Leaf, with N. P. Brass Screws 10.80

3335 Nickel Plated Brass Hinge Screws Per Dozen, .30

Per Dozen Pair

Lock Nut on Number 3320 is Brass, and on Number 3325 Steel





Closet Seat Menders

CAST BRASS NIQUELED

PLAIN



Number	Length of Circle	Per Dozen
3345	8½"	\$6.00
3346	10"	7.20

WITH BUMPERS



Number	Length of Circle	Per Dozen
3347	10"	\$8.40

WITH BUMPERS AND SANITARY LIP

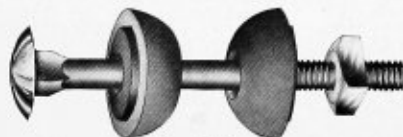


Number	Length of Circle	Per Dozen
3355	10"	\$9.60

Invaluable for preventing seats from warping and splitting.
Extended Lip prevents wetting outside of fixture.

Closet Seat Bolts

HEAD NIQUELED



Number	Description	Per Dozen
3365 Steel	Complete with Rubbers and Washers, as shown	{ \$3.00
3365-B Brass		
		4.50



Soil Pipe Straps

STEEL GALVANIZED

HEAVY



FOR EXTRA HEAVY SOIL PIPE

Number	Size	Per Hundred
3402-X	2"	\$5.00
3403-X	3"	6.50
3404-X	4"	7.00

FOR STANDARD SOIL PIPE

Number	Size	Per Hundred
3402-S	2"	\$5.00
3403-S	3"	6.50
3404-S	4"	7.00

ANGLE STRAP

STEEL GALVANIZED

FOR EXTRA HEAVY SOIL PIPE

Number	Size	Per Hundred
3414	4"	\$8.00



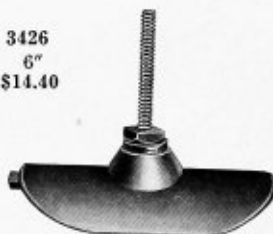
Soil Pipe Menders

HEAVY

Number	3422	3423	3424	3425	3426
Size	2"	3"	4"	5"	6"
Per Dozen, \$	4.80	\$6.00	\$7.50	\$10.80	\$14.40

Makes perfect gas and water tight joints

Can be used in close places without cutting



Jack Chain

BRIGHT STEEL

SINGLE LINK

TWELVE-YARD PACKAGES

Number	Size	Per Package
3440	12	\$1.40
3441	10	1.00
3442	8	.90
3443	6	.60



Nickel Plated Chain, "S" Hooks and Split Links Listed on Pages 268-269



Ever-Ready Pipe Strap

GALVANIZED

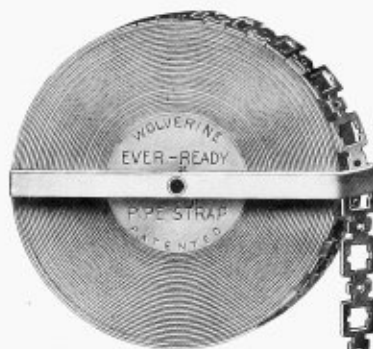
COLD ROLLED STEEL

Patented

In Coils of 100 Feet
with Holder

Number	Width	Per Coil
3460	$\frac{7}{8}$ "	\$5.00

No Cotter Pins necessary with the
Ever-Ready Strap



The Simplest Strap on
the market

For Hanging all kinds and sizes of Pipe.
No matter how long or how short the
Hanger is wanted, Ever-Ready will serve
you.

Cut Strap through middle of any nail hole and the end thus left will slip into and
perfectly engage with any notch.
The weight of pipe automatically locks it firmly.

Simple—Durable—Economical

CUT LENGTHS

BUNDLE OF 100 STRAPS

Number	Length	Per Bundle
3460-A	6"	\$2.50
3460-B	8"	3.40
3460-C	10"	4.20
3460-D	12"	5.00
3460-E	14"	5.80



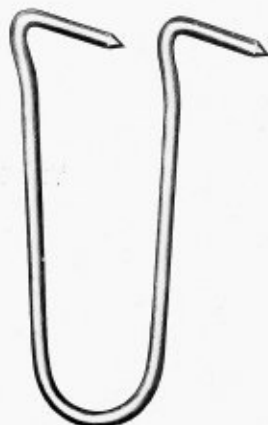


Wire Pipe Hooks

GALVANIZED STEEL

SHARP POINTS

"THE KIND THAT DRIVE STRAIGHT"

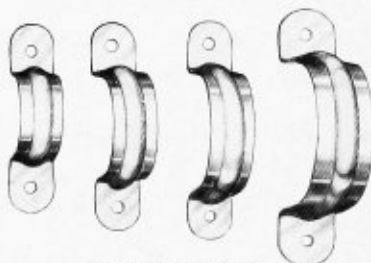


Number	For I. P. Size	Length	Per Hundred
3470-A	$\frac{3}{8}$ "	3"	\$0.72
3470-B	$\frac{1}{2}$ "	3"	.76
3470-C	$\frac{1}{2}$ "	4"	.86
3470-D	$\frac{1}{2}$ "	5"	.96
3470-E	$\frac{1}{2}$ "	6"	1.08
3470-F	$\frac{3}{4}$ "	4"	.92
3470-G	$\frac{3}{4}$ "	5"	1.02
3470-H	$\frac{3}{4}$ "	6"	1.08
3470-I	1"	4"	1.06
3470-J	1"	5"	1.24
3470-K	1"	6"	1.40
3470-L	$1\frac{1}{4}$ "	4"	1.34
3470-M	$1\frac{1}{4}$ "	5"	1.54
3470-N	$1\frac{1}{4}$ "	6"	1.76
3470-P	$1\frac{1}{2}$ "	5"	1.68
3470-Q	$1\frac{1}{2}$ "	6"	1.90
3470-R	$1\frac{1}{2}$ "	8"	2.32
3470-S	2"	5"	1.74
3470-T	2"	6"	1.96
3470-U	2"	8"	2.38
3470-V	2"	10"	3.00
3470-W	2"	12"	3.22

Anti-Rust Pipe Straps

BEADED

Anti-Rust
Pipe Straps
are made from
new heavy metal
and uniform
gauges



Anti-Rust
Pipe Straps
are pressed
true to size
without defects

FIVE-POUND BOXES

Number	3475-A	3475-B	3475-E	3475-F	3475-G	3475-H	3475-I	3475-J	3475-K
Size	$\frac{1}{8}$ "	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "	1"	$1\frac{1}{4}$ "	$1\frac{1}{2}$ "	2"
Per Box	\$1.80	\$1.20	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00

Assortment

ANTI-RUST PIPE STRAPS

Number	Per Box
3476 10 Pounds Assorted	\$2.50



Pipe Hangers

CAST

STANDARD

BRASS—NICKELED



FOR IRON PIPE SIZE BRASS PIPE

Number	Size	Wall to Center	Per Dozen
3485-A	$\frac{3}{8}$ "	1"	\$7.00
3485-B	$\frac{1}{2}$ "	1"	7.20
3485-C	$\frac{3}{4}$ "	1 $\frac{1}{8}$ "	8.00

FOR PLUMBERS' FINE THREAD TUBING

Number	Size	Wall to Center	Per Dozen Per Hundred
3486-B	$\frac{5}{8}$ "	1"	\$7.00
3486-C	$\frac{3}{4}$ "	1"	7.20

GALVANIZED

REGULAR PATTERN



EXTRA LONG



Number	For I. P. Size	Wall to Center	Per Hundred
3490-B	$\frac{1}{2}$ "	1"	\$7.00
3490-C	$\frac{3}{4}$ "	1 $\frac{1}{8}$ "	7.60
3490-D	1"	1 $\frac{3}{8}$ "	8.60

Number	For I. P. Size	Wall to Center	Per Hundred
3491-B	$\frac{1}{2}$ "	2"	\$ 8.60
3491-C	$\frac{3}{4}$ "	2 $\frac{1}{4}$ "	10.80
3491-D	1"	2 $\frac{3}{4}$ "	13.00

DOUBLE



Number	For I. P. Size	Center to Center	Per Hundred
3495-B	$\frac{1}{2}$ "	3 $\frac{1}{2}$ "	\$14.00
3495-C	$\frac{3}{4}$ "	3 $\frac{3}{8}$ "	15.20





Iron Pipe Hangers

GALVANIZED

EXTENSION—SECTIONAL



WITH $\frac{1}{4}$ x 4-INCH GALVANIZED NIPPLE

Number	For I. P. Size	Per Hundred
3500-B	$\frac{1}{2}$ "	\$30.00
3500-C	$\frac{3}{4}$ "	35.00
3500-D	1"	40.00
3500-E	$1\frac{1}{4}$ "	50.00
3500-F	$1\frac{1}{2}$ "	60.00
3500-G	2"	75.00

PIPE RINGS

TAPPED $\frac{1}{4}$ -INCH IRON PIPE

Number	For I. P. Size	Per Hundred
3501-B	$\frac{1}{2}$ "	\$17.60
3501-C	$\frac{3}{4}$ "	22.60
3501-D	1"	27.60
3501-E	$1\frac{1}{4}$ "	33.80
3501-F	$1\frac{1}{2}$ "	43.80
3501-G	2"	58.80



NIPPLES

THREADED $\frac{1}{4}$ -INCH I. P.



Number	Length	Per Hundred
3502	4"	\$16.00

PLATES

TAPPED $\frac{1}{4}$ -INCH I. P.



Number	For Hangers	Per Hundred
3503	$\frac{1}{2}$ " to 2"	\$10.00



Crossovers

BRASS



FOR IRON PIPE SIZES

Number	Size	Finish	Per Dozen
3520-R	1 1/2"	Rough	\$ 8.40
3521-R	3/4"	Rough	10.40
3520	1 1/2"	Nickel Plated	20.16
3521	3/4"	Nickel Plated	24.96

MALLEABLE IRON GALVANIZED

FOR IRON PIPE SIZES

Number	Size	Per Dozen
3515	1 1/2"	\$6.00
3516	3/4"	7.20

FOR PLUMBERS' FINE THREAD TUBING

Number	Size	Finish	Per Dozen
3525-R	5/8"	Rough	\$ 8.40
3526-R	3/4"	Rough	8.40
3525	5/8"	Nickel Plated	20.16
3526	3/4"	Nickel Plated	20.16

Wash Tray Tees

MALLEABLE IRON GALVANIZED

Number	Size	Per Dozen
3530	1 1/2" x 1 1/2" x 1 1/2"	\$5.40
3531	3/4" x 1 1/2" x 1 1/2"	9.00
3532	3/4" x 3/4" x 3/4"	9.00

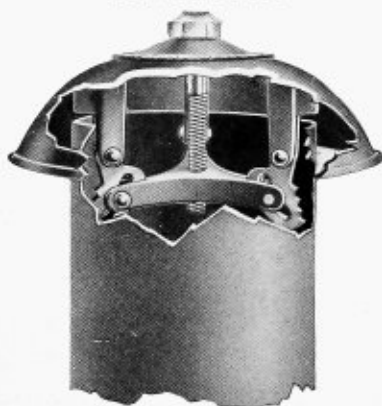
For Brass Wash Tray Tees, see Discount Sheet



Wolverine Ventilation Caps

FOR SOIL PIPE

Brass Bolt
cannot rust in.
Quickly removed
with a wrench
for cleanout
purposes



Adjustable Grips
with three points
of contact

Use up your pieces
of Soil Pipe
without hub

No Hub required on the Soil Pipe

Number	Size	Per Dozen
3539	For 2" Soil Pipe	\$6.00
3540	For 4" Soil Pipe	8.40



Ventilation Caps

JAPANNED IRON

STAR



Number	Size	Per Dozen
3542 . . .	For 2" Soil Pipe . . .	\$4.40
3544 . . .	For 4" Soil Pipe . . .	6.00
3545 . . .	For 5" Soil Pipe . . .	8.40

Set Screw is Solid Brass, cannot rust in, and can be removed without breaking Cap or Soil Pipe.

Wolverine Air Inlet

Number	Size	Per Dozen
3550	For 4" Soil Pipe	\$8.40

Construction is the same as Wolverine Ventilation Cap, but the flat grate top can be conveniently used to make flush joints with sidewalks.



Wolverine Back Water Valves

JAPANNED

WITH BALL FLOAT

WITH CLOSABLE STRAINER

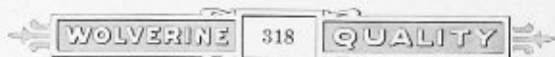


Number	Size	Each
3552-S . . .	For 2" Soil Pipe . . .	\$2.00
3554-S . . .	For 4" Soil Pipe . . .	2.50



Number	Size	Each
3560-T . . .	For 4" Tile . . .	\$2.50

Accessible for Cleaning. Fully Guaranteed



Wolverine Back Water Valves

JAPANNED

POSITIVE AND AUTOMATIC



Number	Size	Each
3562-S	For 2" Soil Pipe	\$3.50
3564-S	For 4" Soil Pipe	5.00

Accessible for cleaning

Seat and all Working Parts
of Cast Brass

Fully Guaranteed

WITH FLANGED TOP

Number	Size	Each
3565-T	For 4" Tile	\$5.00

Fully Guaranteed

NOTE—These Fixtures are provided with Rubber Ball Float which, under normal conditions, will automatically and effectually shut off all back water by raising into and against a brass seat.

Also provided with Brass Emergency Shut-off.

Turn the Strainer and the Valve is closed. Positively the most perfect Valves on the market.





Small Strainers

BRASS

ROUND STAMPED



Number	Diameter	Finish	Per Dozen
3570	1½"	Plain Brass	\$1.00
3571	2"	Plain Brass	1.20
3570-N	1½"	Nickel Plated	1.30
3571-N	2"	Nickel Plated	1.50

STAR CAST



Number	Diameter	Finish	Per Dozen
3575	2½"	Plain Brass	\$1.20
3575-N	2½"	Nickel Plated	2.40

Heavy Bar Strainers

JAPANNED IRON

Sanitary
Design



Reinforced
Pattern

FOR STANDARD SOIL PIPE

Number	Diameter	Enters Hub of	Per Dozen
3584	4¾"	4"	\$2.00
3585	5¾"	5"	2.40
3586	6¾"	6"	2.80

FOR EXTRA HEAVY SOIL PIPE

Number	Diameter	Enters Hub of	Per Dozen
3584-X	5"	4"	\$2.20
3585-X	6"	5"	2.60
3586-X	7"	6"	3.00

STRAINERS

JAPANNED



Strainers and
Rubber Ball
Floats used on
Numbers 3552-S
to 3565-T Back
Water Valves.

Number	For Valve	Diameter	Each
3592	2"	2"	\$0.25
3594	4"	4½"	.50

RUBBER BALL FLOAT

HIGH GRADE



Number	For Valve	Diameter	Each
3598	2"	1¼"	\$0.50
3600	4"	2¾"	1.00

Wolverine Refrigerator Drain Traps

CAST IRON

SANITARY HINGED STRAINER

ROUND PATTERN



View
showing
Strainer
closed



View
showing
Strainer
raised

TAPPED FOR
1 1/4-INCH IRON PIPE

Number	Diameter	Finish	Each
3612 . . . 8" . . .	Aluminum . . .	\$1.10	
3614 . . . 10" . . .	Aluminum . . .	1.30	
3612-G . . . 8" . . .	Galvanized . . .	1.30	
3614-G . . . 10" . . .	Galvanized . . .	1.50	

TAPPED FOR
1 1/2-INCH IRON PIPE

Number	Diameter	Finish	Each
3617 . . . 8" . . .	Aluminum . . .	\$1.20	
3619 . . . 10" . . .	Aluminum . . .	1.40	
3617-G . . . 8" . . .	Galvanized . . .	1.40	
3619-G . . . 10" . . .	Galvanized . . .	1.60	

Seal closes automatically

REMOVABLE STRAINER

ROUND PATTERN



TAPPED FOR 1 1/4-INCH IRON PIPE

Number	Diameter	Finish	Each
3620 . . . 6" . . .	Aluminum . . .	\$0.70	
3622 . . . 8" . . .	Aluminum . . .	.80	
3624 . . . 10" . . .	Aluminum . . .	1.00	

Number	Diameter	Finish	Each
3620-G . . . 6" . . .	Galvanized . . .	\$0.90	
3622-G . . . 8" . . .	Galvanized . . .	1.00	
3624-G . . . 10" . . .	Galvanized . . .	1.20	

WITH SPUD TO SLIP INTO 1 1/4-INCH IRON PIPE

(Not Illustrated)

Number	Diameter	Finish	Each
3625 . . . 6" . . .	Aluminum . . .	\$0.70	
3627 . . . 8" . . .	Aluminum . . .	.80	
3629 . . . 10" . . .	Aluminum . . .	1.00	

Number	Diameter	Finish	Each
3625-G . . . 6" . . .	Galvanized . . .	\$0.90	
3627-G . . . 8" . . .	Galvanized . . .	1.00	
3629-G . . . 10" . . .	Galvanized . . .	1.20	

OBLONG PATTERN

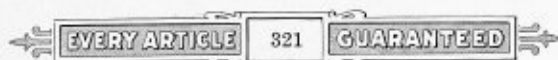
WITH REMOVABLE STRAINER

TAPPED FOR
1 1/4-INCH IRON PIPE

Number	Size	Finish	Each
3635 . . . 11"x4 5/8" . . .	Aluminum . . .	\$1.00	
3635-G . . . 11"x4 5/8" . . .	Galvanized . . .	1.20	



All Wolverine Refrigerator Drain Traps have convex non-stopable strainers, deep basins and ample seal. All parts are smooth and perfectly fitted.





Plumbers' Soft Copper Wire



American or
Brown & Sharpe Gauge

(Full sized cross section.)



Number	3640	3641	3642	3643	3644	3645
Gauge	10	12	14	16	18	20
Per Pound	\$0.60	\$0.62	\$0.64	\$0.66	\$0.68	\$0.72
Per Five-pound Spool	\$3.00	\$3.10	\$3.20	\$3.30	\$3.40	\$3.60

Hydrant Clamps

TAPPED

MALLEABLE IRON

SQUARE



Number	Size	Per Dozen
3655	$\frac{3}{8}$ " Plain	\$1.00
3655-G	$\frac{3}{8}$ " Galvanized	1.36
3658	$\frac{3}{8}$ " Plain for Rivet	1.20
3658-G	$\frac{3}{8}$ " Galv. for Rivet	1.60

Number	Size	Per Dozen
3661	$\frac{3}{8}$ " Plain	\$1.00
3661-G	$\frac{3}{8}$ " Galvanized	1.36

Hydrant Sets Listed on Pages 379-380

Never Slip Basin Clamps

BRONZE METAL

REGULAR

Patented

WITH EXPANSION BOLT



Number	Per Dozen
3690	\$1.00

Number	Size	Per Dozen
3691	Sleeve for $\frac{3}{8}$ " Hole	\$1.50
3692	Sleeve for $\frac{1}{2}$ " Hole	1.50

A Genuine Bronze Clamp. Strongest and easiest to adjust.

McNamara Hydrant Parts

CAST BRASS



Number	Description	Per Dozen
3720	Hydrant Wheel Handle	\$ 1.68
3721	Hydrant Female Screw	5.76
3722	Hydrant Male Screw	5.04
3723	Street Washer Male Screw	5.04
3724	Hydrant and Street Washer Rivet	.12
3725	Hydrant and Street Washer Coupling	.84
3726	Hydrant and Street Washer Swivel, short	5.04
3727	Hydrant and Street Washer Swivel, long	5.76
3728	Hydrant Plunger	8.40
3729	Hydrant Valve Shell, as shown	16.80
3730	Hydrant Valve Shell with Union	18.80
3731	1/4-inch Union for Valve Shell	2.40
3732	Hydrant Nozzle	4.32
3733	Leather Plunger Washers	.20

All McNamara Hydrant Parts, except Iron Wheel Handle, are high-grade cast brass.

For Hydrant Packings, see Pages 378-380

Box Bolts

CAST BRASS

FOR BUFFALO STREET BOXES, ETC.

Number	Length	Diameter	Per Dozen
3740	1 1/4"	1 1/2"	\$2.40
3741	2"	1 1/2"	3.60
3742	2"	1 3/8"	3.60



Closet Floor Flanges

COMPLETE WITH

GASKETS, BOLTS AND WASHERS



Any Closet Floor Flange listed on following page will be furnished with Bolts only, or with Gasket and Bolts, if so specified.

For Combination Prices, see Discount Sheet

Bolts and Washers Listed on Page 292

Flanges and Gaskets Listed on Page 324

Unless otherwise specified, No. 3786 Wolverine Gasket, No. 2960-I Bolts and Washers furnished



Closet Floor Flanges

CAST BRASS

REGULAR PATTERN

Number	3769	3770	3771
Outside Diameter.	6 $\frac{1}{16}$ "	6 $\frac{3}{8}$ "	7 $\frac{1}{8}$ "
Inside Diameter.	4 $\frac{1}{8}$ "	4 $\frac{3}{8}$ "	4 $\frac{1}{2}$ "
Center of Bolt Holes.	5 $\frac{3}{8}$ "	5 $\frac{1}{4}$ "	5 $\frac{1}{2}$ "
Per Dozen.	\$4.00	\$4.00	\$4.80



HEAVY PATTERN

WEIGHT 1 $\frac{1}{2}$ POUNDS

Number	3770-H
Outside Diameter.	6 $\frac{3}{8}$ "
Inside Diameter.	4 $\frac{3}{8}$ "
Center of Bolt Holes.	5 $\frac{1}{4}$ "
Per dozen.	\$9.60

CLOSED PATTERN

UNIVERSAL STYLE

TAPPED FOR 5-16-INCH BOLT

Number	3769-C	3770-C	3771-C
Outside Diameter.	6 $\frac{1}{16}$ "	6 $\frac{3}{8}$ "	7 $\frac{1}{8}$ "
Inside Diameter.	4 $\frac{1}{8}$ "	4 $\frac{3}{8}$ "	4 $\frac{1}{2}$ "
Per Dozen.	\$5.50	\$5.50	\$6.50



NOTE—All Closed Pattern Flanges are furnished with three centers of closet bolt holes, namely, 5 $\frac{3}{8}$, 5 $\frac{1}{4}$ and 6 $\frac{1}{8}$ inches

Holes also tapped for $\frac{1}{4}$ -inch bolt if specified. Bolts Listed on Page 292

Floor Flange Gaskets

WOLVERINE PATTERN

EXTRA QUALITY PURE GUM



Number	Per Dozen
3786	\$4.80

REGULAR PATTERN

RUBBER



Number	Per Dozen
3787	\$3.60

NOTE—The extended reinforcement or lip on Wolverine Gasket No. 3786 insures a tight joint at inner edge of floor flange and thereby prevents escape of gas or water through bolt holes.



Asbestos Ring

PLUMBAGO COVERING

Number	Per Dozen
3788	\$3.60



W O L V E R I N E

HIGHEST GRADE

RUBBER SPECIALTIES



Dependable Qualities

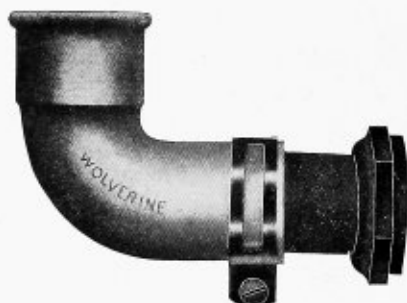
Wolverine Rubber Specialties are carefully compounded for special utility irrespective of cost, thereby producing a practical article, which is slow to deteriorate with age and possessing the amount of flexibility and firmness required according to its use. Strict uniformity, both as to size and quality, insures profitable satisfaction.



Closet Elbows

EXTRA QUALITY RUBBER

ADJUSTABLE



Number	Nut for Closet Spud	Rubber for Flush Pipe	Per Dozen
3820	1 1/4"	1 1/4"	\$ 6.50
3821	1 1/4"	1 1/2"	8.40
3822	1 1/2"	1 1/4"	8.40
3823	1 1/2"	1 1/2"	9.00
3824	2"	1 1/2"	10.80
3825	2"	2"	12.00

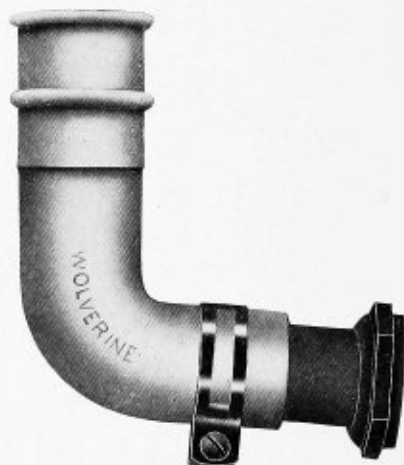
Flanged Tube is regularly 3 inches long

Longer Tubes furnished if specified

WITH EXTRA LONG TOP

Number	Size	Per Dozen
3827	1 1/4" x 1 1/4"	\$8.40

Especially desirable on repair work when the lead flush is sawed off above the wiped joint, as it saves lengthening flush pipe or lowering tank.



Straight Connections

EXTRA QUALITY RUBBER

ADJUSTABLE



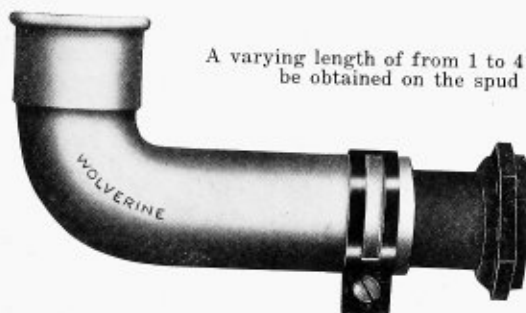
Number	Nut for Closet Spud	Rubber for Flush Pipe	Per Dozen
3830	1 1/4"	1 1/4"	\$ 6.00
3831	1 1/4"	1 1/2"	8.40
3832	1 1/2"	1 1/4"	8.40
3833	1 1/2"	1 1/2"	9.00
3834	2"	1 1/2"	10.80
3835	2"	2"	12.00



Closet Elbows

EXTRA QUALITY RUBBER

ADJUSTABLE "CUT OFF"



A varying length of from 1 to 4 inches may be obtained on the spud end.

Number	Nut for Closet Spud	Rubber for Flush Pipe	Per Dozen
3836	1 1/4"	1 1/4"	\$7.00

REGULAR "CUT OFF"



Number	Nut for Closet Spud	Rubber for Flush Pipe	Per Dozen
3838	1 1/4"	1 1/4"	\$5.50

Elbow Parts

RUBBER FOR

Number	Size	Per Dozen
3820-R	1 1/4"	\$3.60
3823-R	1 1/2"	4.80
3825-R	2"	7.20
3827-R	1 1/4"	4.80
3830-R	1 1/4"	3.60
3833-R	1 1/2"	4.80
3835-R	2"	7.20
3836-R	1 1/4"	4.80
3838-R	1 1/4"	4.00

SPUD FOR

Number	Size	Per Dozen
3820-S	1 1/4"	\$1.68
3822-S	1 1/2" x 1 1/4"	1.92
3823-S	1 1/2"	2.16
3824-S	2" x 1 1/2"	2.16
3825-S	2"	2.40

CLAMP FOR

Number	Size	Per Dozen
3820-C	1 1/4"	\$1.20
3823-C	1 1/2"	1.44

NUT FOR

Number	Size	Per Dozen
3820-N	1 1/4"	\$1.68
3838-N	1 1/4"	1.68
3823-N	1 1/2"	2.40
3824-N	2"	3.60

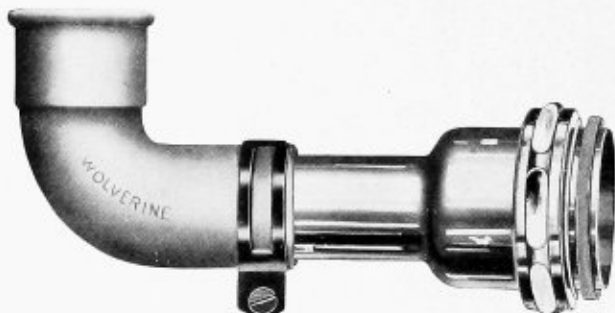
NOTE—The 3823-C Clamp holds all 2-inch as well as 1 1/2-inch Rubbers.



Closet Elbows

BRASS NICKELED CONNECTIONS

FOR LOW DOWN BOWL

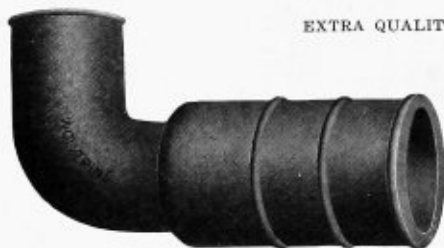


Number	Nut for Closet Spud	Rubber for Flush Pipe	Per Dozen
3840	2"	1 1/4"	\$11.50
3841	2"	1 1/2"	14.00

Brass Connections only Listed on Page 172

CINCINNATI PATTERN

EXTRA QUALITY RUBBER



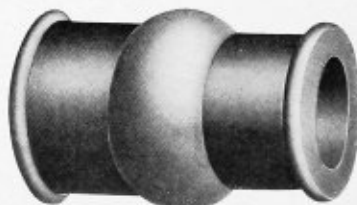
For Earthen Spud

Number	Size	Per Dozen
3843	1 1/4" x 1 1/2"	\$7.00

H. & H. Connection

RUBBER

Number	Per Dozen
3845	\$4.80





Closet Connections

FOR PLUNGER CLOSETS AND HOPPERS



ROBB'S

Number	Size	Per Dozen
3846	1 1/4"	\$1.80
3848	1 1/2"	2.40

DANDY

Number	Size	Per Dozen
3850	1 1/4"	\$1.50



Plunger Rings

(SOFT PURE GUM)

FOR TANK VALVES



Number	Size	Per Dozen
3855-C	1 1/4" x 2 1/8"	\$1.50
3855-E	1 1/4" x 2 1/8"	1.60
3855-G	1 1/4" x 2 1/4"	1.70
3855-I	1 1/2" x 2 1/4"	1.80
3855-K	1 1/2" x 2 3/8"	2.00
3855-M	2" x 2 3/4"	2.40
3855-P	2 5/8" x 3 1/4"	7.00

Buick and Sherwood Ring is Number 3855-M, and Demarest is Number 3855-P

Syphon Rings



Number	Size	Per Dozen
3860	1" x 1 5/8"	\$1.20
3860-F	1 5/8" x 2 5/8"	2.40

P. B. & P. Tanks take Number 3860-F Ring



Number	Size	Per Dozen
3865	1 1/4" x 2 1/8"	\$1.80

For Heavy Gooseneck Syphons, etc.



Syphon Rings

RUBBER

THIN EDGE IDEAL

FINE QUALITY



Number	Size	Per Dozen
3870-A	1"	\$1.50
3870-B	1 1/8"	1.60
3870-C	1 1/4"	1.70



Number	Size	Per Dozen
3870-D	1 3/8"	\$1.90
3870-E	1 1/2"	2.00
3870-F	1 5/8"	2.40



Number	Size	Per Dozen
3870-G	1 3/4"	\$2.50
3870-H	1 7/8"	2.60
3870-I	2"	2.70

Above Rings are a high-grade rubber superior to the grades usually offered, in fact, surpassed only by our Extra Fine Quality, as Listed on Page 331

Series Numbers 3870 and 3890 are from the same moulds and therefore of correct size and shape.

They will stretch over syphon without splitting or puckering.

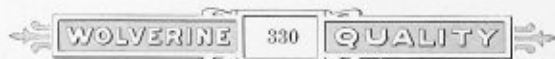
REGULAR PATTERN

IDEAL

FINE QUALITY



Number	3880-A	3880-B	3880-C	3880-D	3880-E	3880-F	3880-G	3880-H	3880-I
Size	1"	1 1/4"	1 1/2"	1 3/4"	1 1/2"	1 5/8"	1 3/4"	1 7/8"	2"
Per Dozen	\$1.30	\$1.40	\$1.50	\$1.70	\$1.80	\$2.20	\$2.30	\$2.40	\$2.50





Syphon Rings

RUBBER

THIN EDGE IDEAL

EXTRA FINE QUALITY



Number	Size	Per Dozen
3890-A	1"	\$2.10
3890-B	1 1/8"	2.20



Number	Size	Per Dozen
3890-C	1 1/4"	\$2.30
3890-D	1 3/8"	2.50
3890-E	1 1/2"	2.70



Number	Size	Per Dozen
3890-F	1 5/8"	\$3.10
3890-G	1 3/4"	3.30



Number	Size	Per Dozen
3890-H	1 7/8"	\$3.50
3890-I	2"	3.70

Wolverine extra fine quality thin edge Syphon Rings are the Highest Grade Rubber obtainable for the purpose and will positively conform and make a perfect seat on any valve whether old or new, corroded or worn. Will stretch over syphon without splitting or puckering the thin edge.





Syphon Rings

EXTRA QUALITY RUBBER

FOR WILSON TANKS, ETC.



Number	Size	Per Dozen
3900	1 1/2"	\$3.00

FOR PEERLESS TANKS, ETC.



Number	Size	Per Dozen
3905	1 1/4"	\$2.40

Syphon Packings

FOR WOLF TANKS, ETC.

Number	Size	Per Dozen
3910-C	1 1/4" x 2 1/4"	\$1.80
3910-E	1 7/8" x 3 1/4"	2.80
3910-G	2 1/8" x 3 1/4"	2.60



FOR BUDDE, McSHANE TANKS, ETC.



Number	Size	Per Dozen
3915-A	1" x 1 3/4"	\$1.00
3915-C	1 1/4" x 2 1/8"	1.20
3915-D	1 1/8" x 2 1/8"	1.20
3915-E	1 1/2" x 2 1/2"	1.60

The edges on Wolverine Syphon Rings and Packings are such that will seat, no matter how worn or corroded the valve seat may be.

FOR FROST, PEDRO VALVES, ETC.

Number	Size	Per Dozen
3920-H	1 7/8" x 2 7/8"	\$3.00
3920-K	2 1/4" x 3 1/8"	4.00

Fine edge to receive and make tight joint on metal floats



BOWER TRAP WASHER



Number	Trap Size	Per Dozen
3925-C	1 1/4"	\$0.70
3925-E	1 1/2"	1.00





Tank Packings

EXTRA QUALITY RUBBER

FOR ENTERPRISE, HOGAN, STANDARD VALVES, ETC.



Number	Inside Diameter	Outside Diameter	Per Dozen
3930-B	1 1/8"	2 3/8"	\$1.20
3930-C	1 1/4"	2 1/2"	1.20
3930-E	1 1/4"	2 1/8"	1.20
3930-F	1 1/4"	2 1/2"	1.20
3930-H	1 1/8"	2 3/8"	1.20
3930-I	1 1/8"	2 3/8"	1.20
3930-K	1 1/2"	2 1/2"	1.20
3930-M	1 1/2"	3"	1.20
3930-P	2"	3 1/8"	1.50

WITH SMALL HOLE



Number	Hole	Outside Diameter	Thickness	Per Dozen
3940-B	3/8"	2 1/2"	1/8"	\$2.00
3940-D	3/8"	3"	1/8"	3.00
3940-F	3/8"	3 1/2"	1/8"	3.50
3940-H	3/8"	4"	1/8"	3.80
3940-J	3/8"	4 1/2"	1/8"	4.00
3940-L	1/2"	2 3/8"	3/32"	2.70

Standard Tank takes Number 3940-L

Tank Washers

EXTRA QUALITY RUBBER

FOR C. & D. TANKS, ETC.

BEVELED EDGE

ROUNDED EDGE



Number	Size	Per Dozen
3945-B	1 1/8"	\$1.20

Number	Size	Per Dozen
3950-B	1 1/8"	\$1.20
3950-C	1 1/8"	1.50
3950-E	1 1/2"	1.50



Tank Packings

EXTRA QUALITY RUBBER

FOR GOLDEN GATE PLUNGER



Number	Size	Per Dozen
3955	2 1/8" x 4 1/2"	\$3.60

BEVELED

FOR MOTT TANKS, ETC.

Number	Size	Per Dozen
3960-E	1 1/2" x 3 3/4"	\$3.60
3960-P	3" x 4 3/4"	6.00



FOR JOHNSON TANKS, ETC.

Number	Size	Per Dozen
3965	1" x 2 1/2"	\$2.40

Syphonia Closet Packing

RUBBER

Number	Size	Per Dozen
3970	2 1/4" x 3 3/8" x 1/8"	\$3.60



Closet Spud Washers

EXTRA QUALITY RUBBER

FLANGED



Number	3980-C	3980-E	3980-I
Size	1 1/4"	1 1/2"	2"
Per Dozen	\$2.50	\$3.00	\$3.50

PLAIN

FOR CLOSET SPUDS

Number	3985-C	3985-E	3985-I
Size	1 1/4"	1 1/2"	2"
Per Dozen	\$1.50	\$1.80	\$2.40



Lipp Valve Seat

RUBBER



Number	3990	Per Dozen
		\$6.00

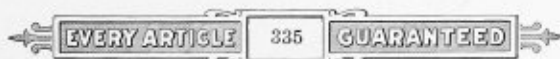
Lipp Copper Floats

SEAMLESS

Number	Size	Spud Threaded	Style	Per Dozen
3995-S	2 1/4"	6-32	With Stem	\$6.40
3995	2 1/4"	6-32	Without Stem	5.90
3996	3"	10-32	Without Rod	7.00
3997	3"	1/4"	Without Rod	7.00



Solderless Copper Floats Listed on Pages 160-161





Tank Balls

EXTRA QUALITY RUBBER

FOR FLUSH VALVES, ETC.



Number	Size	Per Dozen
4005	2 $\frac{1}{4}$ "	\$8.00

FOR COLUMBUS VALVES, ETC.



Number	Per Dozen
4010	\$8.40

Tank Cups

RUBBER

"GOLD MEDAL"



Number	Per Dozen
4015	\$2.40

H. J. & C.



Number	Per Dozen
4020	\$2.70

Peerless Washer

RUBBER



Number	Size	Per Dozen
4025	2" x 2 $\frac{1}{8}$ "	\$3.00

Mansfield Washer

RUBBER



Number	Hole	Outside Diameter	Per Dozen
4030	$\frac{1}{8}$ "	2 $\frac{3}{8}$ "	\$6.00

Shank Washers

RUBBER



Number	For	Per Dozen
4035	Flush Valves	\$0.50
4040	Ball Cocks	.40

Coupling Nut Washers

RUBBER



Number	For	Per Dozen
4045	Flush Valves	\$0.30
4050	Ball Cocks	.20

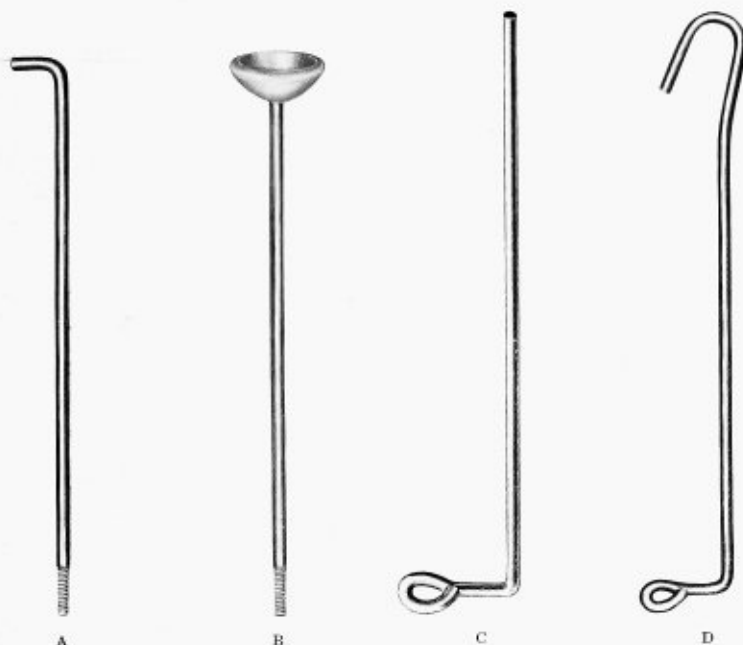
Specify size of Valve or Cock for which Washers are required



Stems and Lever Wires

BRASS

FOR TANK BALLS



Number	Style	Length	Description	Per Dozen
4055-A	A-Copper	5 1/4"	Ball Stem	\$1.20
4055-B	B-Copper	5 1/4"	Ball Stem	1.50
4056-C	C-Brass	5"	Lever for High Tank	1.00
4057-C	C-Brass	9"	Lever for Low Tank	1.20
4058-C	C-Brass	10"	Lever for Low Tank	1.30
4059-C	C-Brass	12"	Lever for Low Tank	1.50
4060-D	D-Brass	5 1/4"	Douglas Lever	1.50

Furnace Bulb

EXTRA QUALITY RUBBER

WITH METAL VALVE

Number	Per Dozen
4065	\$6.00

TUBE ONLY

Number	Per Dozen
4066	\$1.20

Guaranteed perfect Valves
and will not collapse





Wolverine Tank Balls

EXTRA QUALITY RUBBER

WHITE

Deep Slotted
Spuds are moulded
in the rubber and
cannot pull out

Reinforced top
prevents elongating

Soft, pliable bottom
allows perfect
seating

A size for
every need



Number	Diameter	Per Dozen
4068	1 1/2"	\$6.00



Number	Diameter	Per Dozen
4070	2"	\$6.00

—NOTE—

The stems furnished
are Solid Copper
with improved top
to avoid sticking

The Ball that
retains shape



Number	Diameter	Per Dozen
4072	2 1/8"	\$6.50



Number	Diameter	Per Dozen
4074	2 1/4"	\$7.20

Guaranteed

Flush Valves Listed on Page 165



Wolverine Tank Balls

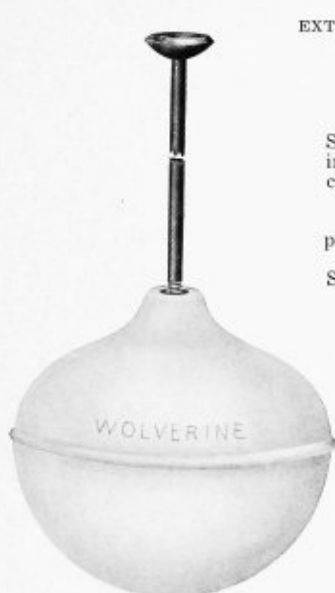
EXTRA QUALITY RUBBER

WHITE

Deep Slotted
Spuds are moulded
in the rubber and
cannot pull out

Reinforced top
prevents elongating

Soft, pliable bottom
allows perfect
seating



A size for
every need

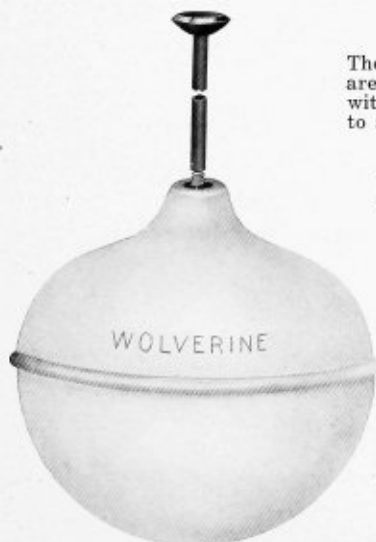
Number	Diameter	Per Dozen
4076	2 $\frac{1}{8}$ "	\$8.40

Number	Diameter	Per Dozen
4078	2 $\frac{1}{2}$ "	\$8.80

—NOTE—

The stems furnished
are Solid Copper
with improved top
to avoid sticking

The Ball that
retains shape



Guaranteed

Number	Diameter	Per Dozen
4080	2 $\frac{3}{4}$ "	\$9.20

Number	Diameter	Per Dozen
4082	2 $\frac{1}{2}$ "	\$9.60

Flush Valves Listed on Page 165



Wolverine Tank Balls

EXTRA QUALITY RUBBER

WHITE



The Perfect
Seating Ball

A size for
every need

Number	Diameter	Per Dozen
4084	3"	\$10.80

Assortment Tank Balls

EXTRA QUALITY RUBBER

WHITE



A size
for
every need

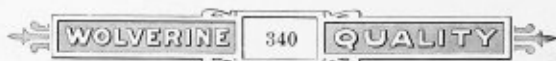
Carefully assorted
to meet your
requirements

Number	Per Box
4086 Three Dozen assorted, with Stems	\$23.00
4087 Six Dozen assorted, with Stems	44.00

The Balls that Retain Shape

An extra quality white rubber Tank Ball with reinforced top. The deep slotted Spud, being moulded into the rubber, will not pull out.

Soft, pliable bottom will conform to seat of corroded or worn, old or new valves, and will not elongate.





Wolbraw Tank Balls

EXTRA QUALITY RUBBER

GREY

The Stems furnished
are Solid Copper with
improved top



Number	Diameter	Per Dozen
4090	2"	\$5.00
4092	2 1/2"	5.50
4094	2 3/4"	6.00

Flush Valves Listed on Page 165





Closet Seat Bolt Fenders

RUBBER

ROUND



Number	Outside Diameter	Hole	Height	Per Hundred
4105	$\frac{7}{8}$ "	$\frac{1}{8}$ "	$\frac{5}{8}$ "	\$7.20

HALF ROUND

Number	Outside Diameter	Hole	Height	Per Hundred
4107	$1\frac{1}{8}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	\$3.00
4108	$1\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{1}{2}$ "	4.20



FLAT



Number	Outside Diameter	Hole	Height	Per Hundred
4110	$\frac{7}{8}$ "	$\frac{3}{8}$ "	$\frac{1}{4}$ "	\$3.00

EXTENDED BASE

Number	Outside Diameter	Hole	Height	Per Hundred
4115	$1\frac{3}{8}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	\$7.20



Oblong Seat Bumpers

WITH BRASS TACKS



FLAT TOP

GREY RUBBER

Number	Length	Per Hundred
4120	$1\frac{5}{8}$ "	\$5.00
4122	$2\frac{1}{4}$ "	7.00

WHITE RUBBER

Number	Length	Per Hundred
4120-W	$1\frac{5}{8}$ "	\$7.00
4122-W	$2\frac{1}{4}$ "	9.00

OVAL TOP

WITH BRASS SCREWS

GREY RUBBER

Number	Length	Per Hundred
4125	$2\frac{1}{2}$ "	\$8.00

WHITE RUBBER

Number	Length	Per Hundred
4125-W	$2\frac{1}{2}$ "	\$10.00





Plain Bumpers

RUBBER

RECESSED



Number	4130-A	4130-B	4130-C	4130-D	4130-E
Style	A	B	C	D	E
Per Hundred	\$1.20	\$1.50	\$1.80	\$2.40	\$3.00



Number	4130-F	4130-G	4130-H	4130-I
Style	F	G	H	I
Per Hundred	\$3.30	\$3.90	\$2.70	\$3.00



Number	4130-J	4130-K	4130-L	4130-M
Style	J	K	L	M
Per Hundred	\$3.00	\$3.90	\$4.80	\$4.00

FOR PIPE SUPPORTS



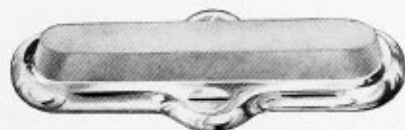
Number	Per Hundred
4135	\$1.50

FOR PIPE STRAPS



Number	Per Hundred
4140	\$2.00

WITH NICKEL PLATED HOLDERS



Number	Per Dozen
4145 With Screws	\$3.60

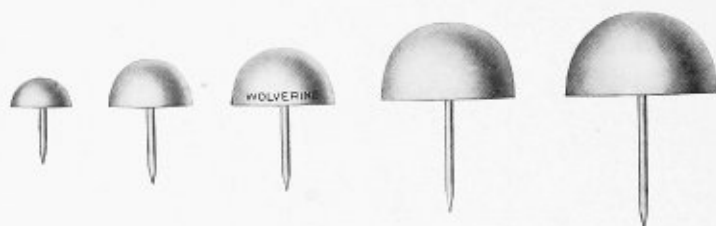


Number	Per Dozen
4150 With Screws	\$1.50



Tack Bumpers

RUBBER



BLACK RUBBER

Number	Size	Per Hundred
4160-A	$\frac{3}{8}$ "	\$0.90
4160-B	$\frac{1}{2}$ "	1.20
4160-C	$\frac{5}{8}$ "	1.80
4160-D	$\frac{3}{4}$ "	3.00
4160-E	$\frac{7}{8}$ "	3.60

WHITE RUBBER

Number	Size	Per Hundred
4161-A	$\frac{3}{8}$ "	\$1.00
4161-B	$\frac{1}{2}$ "	1.30
4161-C	$\frac{5}{8}$ "	2.00
4161-D	$\frac{3}{4}$ "	3.50
4161-E	$\frac{7}{8}$ "	4.20

Screw Bumpers

WITH METAL REINFORCEMENT



Number	Size	Per Hundred
4165-D	$\frac{3}{4}$ "	\$4.20
4165-E	$\frac{7}{8}$ "	4.80
4165-F	1"	5.40

Seat Bumper Assortment

Carefully
assorted



All sizes
and kinds

Number	Per Box
4170 Two Gross assorted	\$7.50





Wolverine Stoppers

SPECIAL WHITE RUBBER

FOR BASIN AND BATH

WITH DOUBLE LOCK LINK

Edges will not
pucker or get
out of shape



Warranted
For Hot
or Cold
water

Number	Diameter	Style	Per Dozen
4175	2"	For Basin	\$3.00
4176	2 1/2"	For Bath	4.50

SINK STOPPER

GREY RUBBER

Convenient

For holding water
in sink while
washing dishes,
etc.



Durable

Concave lip at
edge insures a
perfect seal, even
if strainer or sink
has uneven sur-
face

Number	Diameter	Per Dozen
4180	4 7/8"	\$4.00

RAISED SINK STOPPER

FOR STANDARD SINKS, ETC.

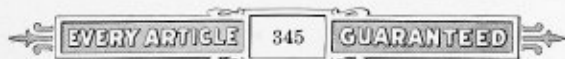
Patented

Especially adapted
for sink having
the raised strainer



This stopper is so
designed that the
action of water
makes a perfect
seat

Number	Diameter	Per Dozen
4185	4 3/4"	\$4.80





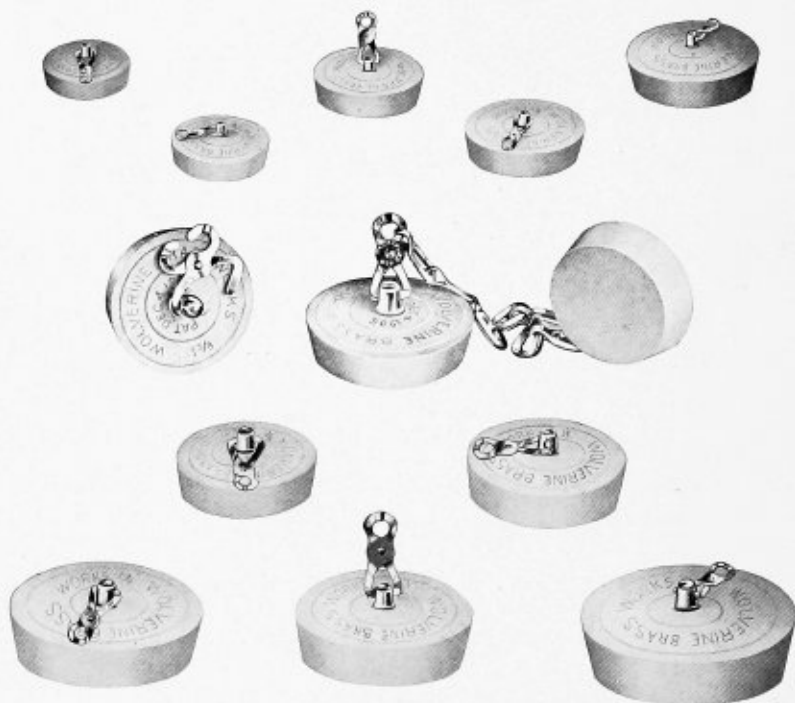
Wolverine Rubber Plugs

EXTRA QUALITY RUBBER

SOLID BOTTOM

WITH DOUBLE LOCK LINK

Patented



Number	Size	Per Dozen
4200-A	$\frac{3}{4}$ "	\$1.20
4200-B	$\frac{7}{8}$ "	1.20
4200-C	1"	1.20
4200-D	$1\frac{1}{8}$ "	1.32
4200-E	$1\frac{1}{4}$ "	1.44
4200-F	$1\frac{3}{8}$ "	1.68
4200-G	$1\frac{1}{2}$ "	1.92
4200-H	$1\frac{5}{8}$ "	2.16
4200-I	$1\frac{3}{4}$ "	2.40
4200-J	2"	3.00

Sanitary and Lasting

Double Lock Link Cannot Pull Away

The construction of the Double Lock makes possible a Link that will not become detached in use, as the Locking Spring ends overlap, and are held by chain as well as snapping into notch.

Rubber Plugs are an extra quality white rubber to withstand the hottest water, and will not crack nor crumble.



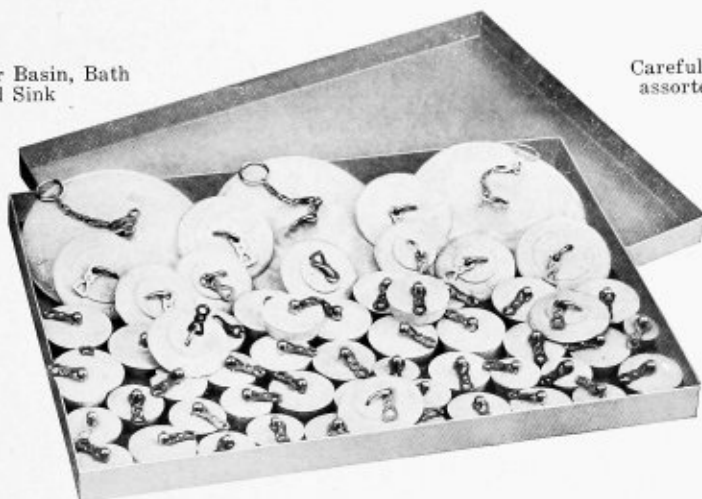
Wolverine Assortment

EXTRA QUALITY RUBBER

PLUGS AND STOPPERS

For Basin, Bath
and Sink

Carefully
assorted



Number		Per Box
4205	Three Dozen assorted	\$ 6.00
4206	Six Dozen assorted	11.50

Ohliger Connections

RUBBER

HAND MADE



Number	Size	Per Dozen
4210-C	1 1/4"	\$1.50
4210-E	1 1/2"	2.00

Sink Gaskets

RUBBER



Number	Per Dozen
4215	\$0.90



Number	Per Dozen
4220	\$1.00



Basin and Bath Washers

RUBBER

MACK



Number	Size	Style	Per Dozen
4225-C	1 1/4"	For Basin	\$0.50
4225-F	1 3/8"	For Bath	.80
4225-H	1 7/8"	For Bath	.90
4225-I	2"	For Flush Valves	1.50

BEVELED FOR BASIN



Number	Outside Diameter	Inside Diameter	Thick Edge	Thin Edge	Per Dozen
4230	1 7/8"	1 1/4"	1/8"	1/16"	\$0.60

FLAT FOR BASIN

Number	Outside Diameter	Inside Diameter	Per Dozen
4235	2 1/8"	1 1/4"	\$0.40



BEVELED FOR BATH OVERFLOW



Number	Outside Diameter	Inside Diameter	Thick Edge	Thin Edge	Per Dozen
4240	3 1/8"	2 1/4"	1/8"	1/16"	\$1.20

FLAT FOR BATH WASTE

Number	Outside Diameter	Inside Diameter	Per Dozen
4245	2 5/8"	1 11/16"	\$0.70





Waste Washers

EXTRA QUALITY RUBBER

WOLFF



Number	Size	Per Dozen
4250-C	1 1/4"	\$1.80



Number	Size	Per Dozen
4250-E	1 1/2"	\$3.00

IDEAL



Number	Size	Per Dozen
4255-A	1"	\$0.80
4255-C	1 1/4"	1.00
4255-E	1 1/2"	1.20

UNIQUE



Number	Size	Per Dozen
4260-A	1"	\$1.00
4260-C	1 1/4"	1.20
4260-E	1 1/2"	1.40

MOTT



Number	Size	Per Dozen
4265-A	1"	\$1.20
4265-C	1 1/4"	1.80

STANDARD



Number	Size	Per Dozen
4270-A	1"	\$1.00
4270-C	1 1/4"	1.20
4270-E	1 1/2"	1.40



Waste Washers

EXTRA QUALITY RUBBER

MODEL



Number	Size	Per Dozen
4275-A	1"	\$0.80
4275-C	1 1/4"	1.20
4275-E	1 1/2"	1.50

RECESSED



Number	Size	Per Dozen
4280-A	1"	\$1.00

REINFORCED

Number	Size	Per Dozen
4282-C	1 1/4"	\$1.70



MOUNTED

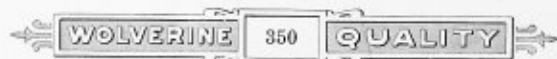
ON BRASS SPUD



Number	Size Tapped	Per Dozen
4285-A	1 1/8"	\$6.00
4285-E	1 1/4"	6.00
4285-F	1 1/2"	8.40

WASHERS ONLY

Number	Size	Per Dozen
4290-A	1"	\$1.70
4290-E	1 1/2"	2.50
4290-F	1 3/8"	3.00





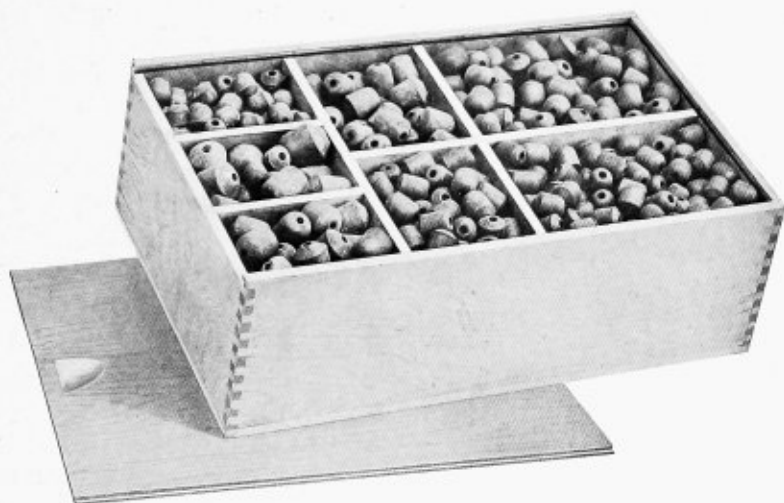
Fuller Ball Assortments

ESPECIALLY COMPOUNDED

PERFECT SHAPES—CORRECT SIZES

A NON-SPLITTING BALL

Furnished in Strong Wood Partitioned Box with Sliding Cover



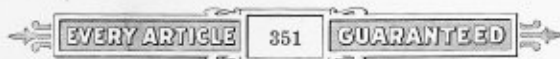
An Assortment every Plumber should have in his Store

THE NAME "WOLVERINE" ON EVERY BALL INSURES QUALITY

Number		Per Box
4295	One Thousand assorted Blunt Pattern	\$47.00
4296	One Thousand assorted Tapered Pattern	47.00

This assortment provides correct sizes for repairing all Fuller work. Wolverine Fuller Balls are compounded from carefully selected materials and will positively stand the hottest water and steam, and being a medium hard Ball, can be used for cold water as well.

"Wolverine" Guarantees





Wolverine Genuine Fuller Balls

HIGHEST GRADE

BLUNT PATTERN—NON-SPLITTING

GUARANTEED TO STAND ANY DEGREE OF HOT OR COLD WATER



Number	4300-A	4300-B	4300-D	4300-E	4300-F	4300-I	4300-K	4300-M	4300-S
Size	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{5}{8}$ "	$\frac{3}{4}$ "	$\frac{7}{8}$ "	$\frac{1}{2}$ "	$\frac{1}{2}$ "	1"
Per Hundred.	\$4.00	\$4.30	\$4.50	\$4.80	\$5.00	\$6.50	\$7.50	\$9.00	\$13.00

TAPERED PATTERN—NON-SPLITTING



Number	4310-A	4310-B	4310-D	4310-E	4310-F	4310-I	4310-K	4310-M	4310-S
Size	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{5}{8}$ "	$\frac{3}{4}$ "	$\frac{7}{8}$ "	$\frac{1}{2}$ "	$\frac{1}{2}$ "	1"
Per Hundred.	\$4.00	\$4.30	\$4.50	\$4.80	\$5.00	\$6.50	\$7.50	\$9.00	\$13.00

Series Number 4310 are the old original Standard Shape and will be preferred on some fixtures

A size and shape for every requirement





Balls and Cushions

EXTRA QUALITY RUBBER

FOR SELF-CLOSING WORK, ETC.

MODEL BALL



Number	Per Dozen
4315	\$1.20

MODEL CUSHION



Number	Per Dozen
4316	\$1.20

PRIOR CUSHION



Number	Per Hundred
4320	\$3.30

PRIOR BALL



Number	Per Hundred
4321	\$3.30

STANDARD BALL



Number		Per Hundred
4325-S	Soft	\$3.30
4325-H	Hard	3.30

STANDARD CUSHION



Number	Per Hundred
4330	\$8.00

ZERO CUSHION

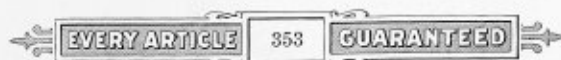


Number	Per Dozen
4335	\$1.20

ZERO BALL



Number	Per Dozen
4336	\$0.60





Balls and Cushions

EXTRA QUALITY RUBBER

FOR SELF-CLOSING WORK, ETC.

SOLID BALLS



Number	4340-D	4340-F	4340-K	4340-P	4340-S
Size	$\frac{1}{2}$ "	$\frac{5}{8}$ "	$\frac{3}{4}$ "	$\frac{7}{8}$ "	1"
Per Dozen	\$0.50	\$0.60	\$0.90	\$1.50	\$1.80

PIERCE BALL



Number	Per Dozen
4345	\$1.50

K. C. CUSHION



Number	Per Dozen
4350	\$2.40

COOPER RING



Number	Per Dozen
4355	\$2.20

COOPER BALL



Number	Per Dozen
4360	\$1.40

MOTT BALL



Number	Per Dozen
4365	\$1.50

KELLY BALL



Number	Per Dozen
4370	\$1.20

Balls and Diaphragm

EXTRA QUALITY RUBBER

FOR BALL COCKS



SUCCESS BALL



Number	Per Hundred
4375-S Soft	\$7.00
4375-M Medium	7.00

DETROIT BALL



Number	Per Hundred
4380	\$10.00

For Park & McKay Valves

IDEAL BALL



Number	Per Hundred
4382	\$7.00

AMERICAN BALL



Number	Per Hundred
4385	\$7.00

LA ROSE DIAPHRAGM



Number	Per Dozen
4388	\$1.50

Bibb Washer Assortment

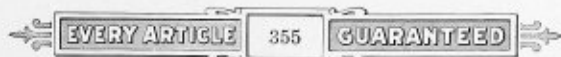
Especially Compounded

WOLVERINE GENUINE FLEXIBLE



Number	Per Box
4390 One Thousand Assorted $\frac{3}{8}$ " to 1"	\$12.00

Fuller Balls Listed on Pages 351-352





Wolverine Genuine Bibb Washers

FLEXIBLE

FOR HOT OR COLD WATER

OUR SPECIAL FORMULA



A SIZE FOR EVERY NEED

Number . . .	4400-E	4400-G	4400-H	4400-J	4400-L	4400-M	4400-N	4400-R	4400-T
Size	1/4"	3/8"	3/8" Lge.	1/2"	1/2" Lge.	5/8"	5/8" Lge.	3/4"	1"
Per Hundred . .	\$1.30	\$1.30	\$1.30	\$1.30	\$1.30	\$1.30	\$1.40	\$1.50	\$2.00

Wolverine Genuine Bibb Washers are compounded from the same carefully selected materials as the Wolverine Fuller Balls and will positively stand the hottest water and steam, also a most satisfactory washer for cold water, being medium hard.

Name on every Washer guarantees Quality.

Wolverine Tapered Bibb Washers

GENUINE FLEXIBLE

FOR HOT OR COLD WATER



Number	4402-E	4402-G	4402-H	4402-J	4402-L	4402-M	4402-N	4402-R	4402-T
Size	1/4"	3/8"	3/8" Lge.	1/2"	1/2" Lge.	5/8"	5/8" Lge.	3/4"	1"
Per Hundred . .	\$3.00	\$3.00	\$3.00	\$3.00	\$3.00	\$3.00	\$3.20	\$3.40	\$4.00

Wolverine Tapered Bibb Washers are made of the same special firm, but flexible and durable compound that has made Wolverine Fuller Balls and Bibb Washers indispensable to the trade.

The tapered wedge-like shape is a desirable feature for cocks when top of seat is imperfect.





Wolvo Bibb Washers

EXTRA QUALITY—GLYCERINE CURED

THICKNESS 5-32 INCH



Number . . .	4405-E	4405-G	4405-H	4405-J	4405-L	4405-M	4405-N	4405-R	4405-T
Size	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{3}{8}$ " Lge.	$\frac{1}{2}$ "	$\frac{1}{2}$ " Lge.	$\frac{5}{8}$ "	$\frac{5}{8}$ " Lge.	$\frac{3}{4}$ "	1"
Per Hundred .	\$0.90	\$0.90	\$0.90	\$0.90	\$0.90	\$0.90	\$1.00	\$1.20	\$1.50

"Wolvo," a flexible grey cotton fibre Washer treated under a secret process and especially prepared to stand steam, hot or cold water. Guaranteed.

Red Fibre Bibb Washers

FLEXIBLE

REGULAR QUALITY

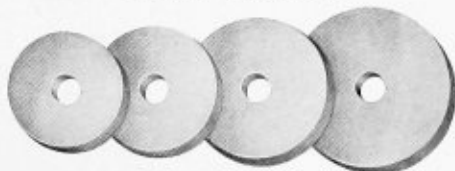


Number . . .	4410-E	4410-G	4410-H	4410-J	4410-L	4410-M	4410-N	4410-R	4410-T
Size	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{3}{8}$ " Lge.	$\frac{1}{2}$ "	$\frac{1}{2}$ " Lge.	$\frac{5}{8}$ "	$\frac{5}{8}$ " Lge.	$\frac{3}{4}$ "	1"
Per Hundred .	\$0.60	\$0.60	\$0.60	\$0.60	\$0.60	\$0.60	\$0.60	\$0.60	\$1.00

White Fibre Bibb Washers

FLEXIBLE

EXTRA QUALITY



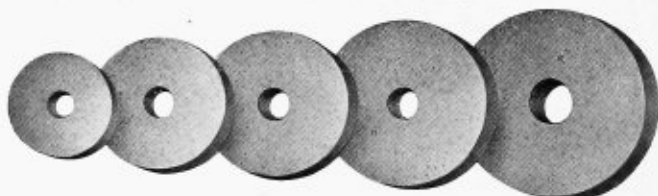
Number . . .	4415-E	4415-G	4415-H	4415-J	4415-L	4415-M	4415-N	4415-R	4415-T
Size	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{3}{8}$ " Lge.	$\frac{1}{2}$ "	$\frac{1}{2}$ " Lge.	$\frac{5}{8}$ "	$\frac{5}{8}$ " Lge.	$\frac{3}{4}$ "	1"
Per Hundred .	\$0.70	\$0.70	\$0.70	\$0.70	\$0.70	\$0.70	\$0.70	\$0.70	\$1.10



Leather Bibb Washers

EXTRA QUALITY

ESPECIALLY PREPARED



Number . . .	4420-E	4420-G	4420-H	4420-J	4420-L	4420-M	4420-N	4420-R	4420-T
Size	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{3}{8}$ " Lge.	$\frac{1}{2}$ "	$\frac{1}{2}$ " Lge.	$\frac{3}{8}$ "	$\frac{5}{8}$ " Lge.	$\frac{3}{4}$ "	1"
Per Hundred . .	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.80

Treated in a special oiled compound, increasing the lasting qualities

Top Washers

FOR COMPRESSION WORK, ETC.

RUBBER CLOTH COVERED

FLAT



Number . . .	4425-A	4425-B	4425-C	4425-D	4425-E	4425-F
Size	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{5}{8}$ "	$\frac{3}{4}$ "	1"
Outside Diam. $\frac{1}{2}$ "	$\frac{3}{4}$ "	$\frac{1}{2}$ "	$1\frac{1}{2}$ "	$1\frac{1}{2}$ "	$1\frac{1}{2}$ "	$1\frac{1}{2}$ "
Per Hundred	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.30

See also Page 303 for Stem Packings

RUBBER CLOTH
INSERTED

TAPERED



Number	Per Hundred
4430	\$5.00

For High Stem Caps

Wolverine Genuine Discs

SOLID



Number	4435-C	4435-F	4435-I	4435-K	4435-M	4435-P
Outside Diameter . . .	$\frac{1}{2}$ "	$\frac{5}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "	$\frac{1}{2}$ "	$\frac{3}{8}$ "
Thickness	$\frac{1}{8}$ "	$\frac{1}{8}$ "	$\frac{1}{8}$ "	$\frac{1}{8}$ "	$\frac{1}{8}$ "	$\frac{1}{8}$ "
Per Hundred	\$1.40	\$1.50	\$1.60	\$1.70	\$1.80	\$2.00

Solid Rubber Bibb Discs

EXTRA THICK—SOFT

Number	4440-F	4440-K	4440-P	4440-S	4440-Y
Outside Diam.	$\frac{5}{8}$ "	$\frac{3}{4}$ "	$\frac{7}{8}$ "	1"	$1\frac{1}{4}$ "
Thickness	$\frac{3}{4}$ "	$\frac{1}{4}$ "	$\frac{1}{4}$ "	$\frac{1}{4}$ "	$\frac{1}{4}$ "
Per Hundred	\$1.10	\$1.32	\$1.72	\$2.20	\$3.50





Valve Discs

FOR J. D. VALVES, ETC.

ROUND



HARD FOR STEAM

Number	4445-A	4445-B	4445-C	4445-D	4445-E	4445-F	4445-G	4445-H
Size	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "	1"	$1\frac{1}{4}$ "	$1\frac{1}{2}$ "	2"
Outside Diam.	$\frac{5}{8}$ "	$\frac{3}{4}$ "	$1\frac{1}{8}$ "	$1\frac{1}{4}$ "	$1\frac{3}{8}$ "	$1\frac{5}{8}$ "	$1\frac{7}{8}$ "	$2\frac{3}{8}$ "
Per Dozen	\$0.60	\$0.70	\$0.80	\$0.90	\$1.10	\$1.60	\$2.20	\$3.20

MEDIUM SOFT FOR WORN SEATS

Number	4446-A	4446-B	4446-C	4446-D	4446-E	4446-F	4446-G	4446-H
Size	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "	1"	$1\frac{1}{4}$ "	$1\frac{1}{2}$ "	2"
Outside Diam.	$\frac{5}{8}$ "	$\frac{3}{4}$ "	$1\frac{1}{8}$ "	$1\frac{1}{4}$ "	$1\frac{3}{8}$ "	$1\frac{5}{8}$ "	$1\frac{7}{8}$ "	$2\frac{3}{8}$ "
Per Dozen	\$0.60	\$0.70	\$0.80	\$0.90	\$1.10	\$1.60	\$2.20	\$3.20

OBLONG



HARD FOR STEAM

Number	4450-D	4450-E	4450-F	4450-G	4450-H
Size	$\frac{3}{4}$ "	1"	$1\frac{1}{4}$ "	$1\frac{1}{2}$ "	2"
Outside Diameter	$1\frac{1}{8}$ "	$1\frac{3}{8}$ "	$1\frac{5}{8}$ "	$1\frac{7}{8}$ "	$2\frac{3}{8}$ "
Per Dozen	\$0.90	\$1.10	\$1.60	\$2.20	\$3.20

MEDIUM SOFT FOR WORN SEATS

Number	4451-D	4451-E	4451-F	4451-G	4451-H
Size	$\frac{3}{4}$ "	1"	$1\frac{1}{4}$ "	$1\frac{1}{2}$ "	2"
Outside Diameter	$1\frac{1}{8}$ "	$1\frac{3}{8}$ "	$1\frac{5}{8}$ "	$1\frac{7}{8}$ "	$2\frac{3}{8}$ "
Per Dozen	\$0.90	\$1.10	\$1.60	\$2.20	\$3.20

Thick Bibb Discs

SOFT RUBBER

Number	Outside Diameter	Hole	Thickness	Per Hundred
4455-S	$1\frac{1}{8}$ "	$\frac{1}{4}$ "	$\frac{1}{4}$ "	\$6.00
4456-S	$1\frac{1}{16}$ "	$\frac{1}{4}$ "	$\frac{1}{4}$ "	6.00
4457-S	$1\frac{1}{16}$ "	$\frac{3}{8}$ "	$\frac{1}{4}$ "	6.00

MEDIUM HARD RUBBER

Number	Outside Diameter	Hole	Thickness	Per Hundred
4455-M	$1\frac{1}{8}$ "	$\frac{1}{4}$ "	$\frac{1}{4}$ "	\$6.00
4456-M	$1\frac{1}{16}$ "	$\frac{1}{4}$ "	$\frac{1}{4}$ "	6.00
4457-M	$1\frac{1}{16}$ "	$\frac{3}{8}$ "	$\frac{1}{4}$ "	6.00



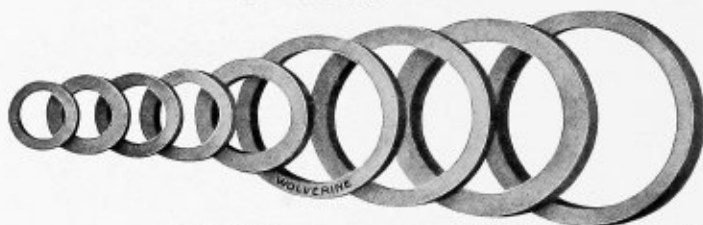
For Mott, Wolff Bibbs,
Etc.



Slip Joint Washers

RUBBER

EXTRA QUALITY



Number	To Slip Over	Enters Nut	Per Hundred
4460-A	$\frac{1}{8}$ " I. P.	$\frac{3}{8}$ " I. P.	\$1.20
4460-B	$\frac{1}{8}$ " I. P.	$\frac{1}{2}$ " I. P.	1.20
4460-C	$\frac{1}{4}$ " I. P.	$\frac{1}{2}$ " I. P.	1.20
4460-D	$\frac{3}{8}$ " I. P.	$\frac{3}{4}$ " I. P.	1.70
4460-E	$\frac{3}{8}$ " O. D. Tube	$\frac{3}{8}$ " I. P.	1.20
4460-F	$\frac{3}{8}$ " O. D. Tube	$\frac{1}{2}$ " I. P.	1.20
4460-G	$\frac{7}{8}$ " O. D. Tube	$\frac{3}{8}$ " I. P.	1.20
4460-H	$\frac{7}{8}$ " O. D. Tube	$\frac{1}{2}$ " I. P.	1.20
4460-I	$\frac{1}{2}$ " O. D. Tube	$\frac{1}{2}$ " I. P.	1.20
4460-J	$\frac{7}{8}$ " O. D. Tube	$\frac{3}{4}$ " I. P.	1.20
4460-K	$\frac{5}{8}$ " O. D. Tube	$\frac{3}{4}$ " I. P.	1.70
4460-L	$\frac{1}{2}$ " O. D. Tube	$\frac{3}{4}$ " I. P.	1.70
4460-M	$\frac{3}{4}$ " O. D. Tube	$\frac{3}{4}$ " I. P.	1.70
4460-N	1" O. D. Tube	1" I. P.	2.00
4460-P	$1\frac{1}{4}$ " O. D. Tube	$1\frac{1}{4}$ " I. P.	2.40
4460-R	$1\frac{1}{4}$ " O. D. Tube	$1\frac{1}{2}$ " I. P.	3.00
4460-S	$1\frac{3}{8}$ " O. D. Tube	$1\frac{1}{4}$ " I. P.	2.50
4460-T	$1\frac{3}{8}$ " O. D. Tube	$1\frac{1}{2}$ " I. P.	2.50
4460-V	$1\frac{1}{2}$ " O. D. Tube	$1\frac{1}{2}$ " I. P.	2.60
4460-W	$1\frac{1}{2}$ " O. D. Tube	2" I. P.	4.00
4460-X	2" O. D. Tube	2" I. P.	3.50

Assortment Slip Joint Washers

CAREFULLY ASSORTED

The sizes
you need
are in this
assortment



Always on
hand with
the right size

Number

"A size for every Fixture"

Per Box

4465 One Pound assorted \$2.00





Slip Joint Washers

EXTRA QUALITY RUBBER

STRAIGHT TAPER

Number	Hole	Outside Diameter	Per Hd.
4470-D	1 1/2"	1 1/2"	\$3.00
4470-E	1 1/2"	3/4"	3.50
4470-G	5/8"	7/8"	4.00
4470-I	3/4"	1"	4.20



ROUND TAPER



Number	Hole	Outside Diameter	Per Hd.
4475-A	3/8"	1 1/2"	\$3.00
4475-B	3/8"	5/8"	3.20
4475-C	1/8"	3/4"	4.50

Cone Packings for patented flexible basin and bath connections Listed on Page 94

Gauge Glass Gaskets

EXTRA QUALITY

SQUARE



DEEP



ROUND



Number	Size	Per Hd.
4485-A	1/2"	\$2.00
4485-B	5/8"	2.00
4485-C	3/4"	2.00

Number	Size	Per Hd.
4486-A	1/2"	\$1.60
4486-B	5/8"	1.60
4486-C	3/4"	1.60

Number	Size	Per Hd.
4487-A	1/2"	\$2.00
4487-B	5/8"	2.00
4487-C	3/4"	2.00

Hose Washers

FOR REGULAR COUPLING



LEATHER

No.	4488-A	4488-B	4488-C	4488-D
Size	1/2"	5/8"	3/4"	1"
Per Hd.	\$0.70	\$0.70	\$0.70	\$0.80

RUBBER

No.	4489-A	4489-B	4489-C	4489-D
Size	1/2"	5/8"	3/4"	1"
Per Hd.	\$0.60	\$0.60	\$0.60	\$0.70
Per Lb.	1.00	1.00	1.00	1.00

FOR RECESSED COUPLING



RUBBER

No.	4490-A	4490-B	4490-C	4490-D
Size	1/2"	5/8"	3/4"	1"
Per Hd.	\$0.70	\$0.70	\$0.70	\$0.80
Per Lb.	1.00	1.00	1.00	1.00

See also Never-lose Hose Washer, Page 362.

Hose Couplings, see Page 138



Iron Pipe Union Washers



GENUINE WOLVERINE RED PACKING

Number	4495-B	4495-C	4495-D	4495-E	4495-F	4495-G	4495-H
Size Union	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "	1"	1 $\frac{1}{4}$ "	1 $\frac{1}{2}$ "	2"
Per Hundred	\$0.90	\$1.10	\$1.70	\$2.50	\$3.10	\$3.60	\$4.20

RUBBER

Number	4500-B	4500-C	4500-D	4500-E	4500-F	4500-G	4500-H
Size Union	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "	1"	1 $\frac{1}{4}$ "	1 $\frac{1}{2}$ "	2"
Per Hundred	\$0.60	\$0.80	\$1.20	\$1.60	\$2.20	\$2.60	\$3.00

LEATHER

Number	4505-B	4505-C	4505-D	4505-E	4505-F	4505-G	4505-H
Size Union	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "	1"	1 $\frac{1}{4}$ "	1 $\frac{1}{2}$ "	2"
Per Hundred	\$0.50	\$0.70	\$1.00	\$1.40	\$2.00	\$2.40	\$2.80

FIBRE

Number	4510-B	4510-C	4510-D	4510-E	4510-F	4510-G	4510-H
Size Union	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "	1"	1 $\frac{1}{4}$ "	1 $\frac{1}{2}$ "	2"
Per Hundred	\$0.50	\$0.70	\$1.00	\$1.40	\$2.00	\$2.40	\$2.80

PAPER

Number	4515-B	4515-C	4515-D	4515-E	4515-F	4515-G	4515-H
Size Union	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "	1"	1 $\frac{1}{4}$ "	1 $\frac{1}{2}$ "	2"
Per Hundred	\$0.40	\$0.50	\$0.60	\$0.76	\$1.10	\$1.60	\$2.30

TABLE OF WASHER SIZES

FOR IRON PIPE UNIONS

STYLE "A"

Size Union	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "	1"	1 $\frac{1}{4}$ "	1 $\frac{1}{2}$ "	2"
Outside Diameter . . .	1 $\frac{1}{16}$ "	1 $\frac{1}{2}$ "	1 $\frac{3}{16}$ "	1 $\frac{7}{8}$ "	2 $\frac{1}{8}$ "	2 $\frac{7}{16}$ "	3 $\frac{1}{16}$ "
Hole	$\frac{5}{8}$ "	$\frac{3}{4}$ "	1"	1 $\frac{1}{32}$ "	1 $\frac{1}{16}$ "	1 $\frac{3}{4}$ "	2 $\frac{1}{16}$ "

STYLE "B"

Size Union	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "	1"	1 $\frac{1}{4}$ "	1 $\frac{1}{2}$ "	2"
Outside Diameter . . .	1 $\frac{1}{8}$ "	1 $\frac{3}{8}$ "	1 $\frac{1}{2}$ "	1 $\frac{7}{8}$ "	2 $\frac{1}{4}$ "	2 $\frac{7}{8}$ "	3"
Hole	$\frac{5}{16}$ "	$\frac{1}{2}$ "	1"	1 $\frac{1}{16}$ "	1 $\frac{1}{2}$ "	1 $\frac{3}{4}$ "	2 $\frac{1}{4}$ "

NOTE—Style "A" Sizes shipped unless otherwise ordered

Kantlose Hose Washer

HIGHEST QUALITY



Number	4525-A	4525-B	4525-C
Size	$\frac{1}{2}$ "	$\frac{3}{4}$ "	$\frac{3}{4}$ "
Per Dozen	\$0.30	\$0.30	\$0.30

Packed in Cartons

NOTE—The extended lips on **Kantlose** Washers engage the threads of hose coupling nut and cannot lose out.
"A washer that will be appreciated."

Assortment Iron Union Washers

CAREFULLY ASSORTED

RUBBER, LEATHER, FIBRE, PAPER

SIZES $\frac{3}{8}$ to 2 INCHES



Number	One Thousand Assorted	Per Box
4560	Rubber, Leather, Fibre, Paper	\$ 9.00
4561	Rubber only	10.50
4562	Leather only	9.50
4563	Fibre only	9.50
4564	Paper only	6.00

Soldering Union Washers



Number	One Thousand Assorted	Per Box
4570	Rubber, Leather, Fibre, Paper	\$7.00
4571	Rubber only	8.50
4572	Leather only	7.00
4573	Fibre only	7.00
4574	Paper only	5.00





Soldering Union Washers



RUBBER

Number	4580-B	4580-C	4580-D	4580-E	4580-F	4580-G	4580-H
Size Union	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "	1"	$1\frac{1}{4}$ "	$1\frac{1}{2}$ "	2"
Per Hundred	\$0.60	\$0.70	\$0.90	\$1.00	\$1.20	\$1.40	\$2.00

LEATHER

Number	4585-B	4585-C	4585-D	4585-E	4585-F	4585-G	4585-H
Size Union	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "	1"	$1\frac{1}{4}$ "	$1\frac{1}{2}$ "	2"
Per Hundred	\$0.50	\$0.60	\$0.70	\$0.80	\$1.00	\$1.20	\$1.80

FIBRE

Number	4590-B	4590-C	4590-D	4590-E	4590-F	4590-G	4590-H
Size Union	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "	1"	$1\frac{1}{4}$ "	$1\frac{1}{2}$ "	2"
Per Hundred	\$0.50	\$0.60	\$0.70	\$0.80	\$1.00	\$1.20	\$1.80

PAPER

Number	4600-B	4600-C	4600-D	4600-E	4600-F	4600-G	4600-H
Size Union	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "	1"	$1\frac{1}{4}$ "	$1\frac{1}{2}$ "	2"
Per Hundred	\$0.30	\$0.40	\$0.50	\$0.60	\$0.70	\$0.80	\$1.00

Coupling Washer

FIBRE

FOR No. 4½ FULLER
BATH COCK



Number	Per Hundred
4615	\$0.80

Fuller Cock Washers

FOR BODY—WHITE FIBRE



No.	Outside Diameter	Hole	Thickness	Per Hd.
4620	$\frac{15}{16}$ "	$\frac{3}{4}$ "	$\frac{1}{32}$ "	\$1.00
4621	$1\frac{1}{16}$ "	$\frac{7}{8}$ "	$\frac{1}{16}$ "	1.20

Sink Bolt Washers

LEATHER



Number	Per Thousand
4625	\$3.00

IRON



Number	Per Thousand
4630	\$3.00



Rubber Diaphragms

EXTRA QUALITY RUBBER

LOW PRESSURE



Number	4635-B	4635-D	4635-F	4635-H	4635-J
Size	6"	7"	8"	9"	10"
Each	\$0.60	\$0.70	\$0.80	\$1.00	\$1.20

Correct shape and sizes of High Grade Fabricated Rubber

Corporation Cock Washers

FIBRE

Number	4640-A	4640-B	4640-C	4640-D
Size	1/2"	3/8"	3/4"	1"
Per Hundred . . .	\$0.60	\$0.70	\$0.80	\$1.00



Sill Cock Washers

Number	Style	Diameter	Per Hundred
4645	Leather	1"	\$1.30
4646	Fibre	1"	1.40

Bell Supply Washer

Number	Style	Outside Diameter	Hole	Thickness	Per Hundred
4650	Fibre	1 1/4"	3/16"	1/4"	\$8.00



Oil Can Washer



Number	Style	Per Hundred
4655	Fibre	\$0.60

Garden Valve Washers

LEATHER

FIBRE

Number	Size	Diameter	Per Hd.	Number	Size	Diameter	Per Hd.
4660-A	3/4"	1 1/8"	\$1.50	4661-A	3/4"	1 1/8"	\$1.60
4660-B	1"	1 1/8"	2.50	4661-B	1"	1 1/8"	2.70

Hydrant Washers Listed on Page 378





Wolverine Red Sheet Packing

EXTRA QUALITY

WIDTH 36 INCHES



Accept only
the Genuine

Our
Trade-Mark
on every piece

Highest grade Packing on the market

FOR STEAM—FOR HOT WATER—FOR COLD WATER

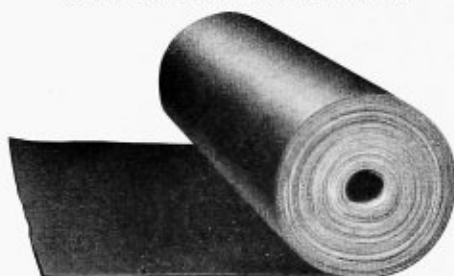
Number	4665	4666	4667
Thickness	$\frac{1}{16}$ "	$\frac{3}{32}$ "	$\frac{1}{8}$ "
Per Pound	\$1.20	\$1.20	\$1.20

PLAIN RED SHEET PACKING

Number	4670	4671	4672
Thickness	$\frac{1}{16}$ "	$\frac{3}{32}$ "	$\frac{1}{8}$ "
Per Pound	\$1.00	\$1.00	\$1.00

RUBBER SHEET PACKING

A
Pure Gum
Packing
that will
not crack



EXTRA QUALITY—PURE GUM

Number	4675	4676	4677	4679
Thickness	$\frac{1}{16}$ "	$\frac{3}{32}$ "	$\frac{1}{8}$ "	$\frac{1}{4}$ "
Per Pound	\$1.10	\$1.10	\$1.10	\$1.10

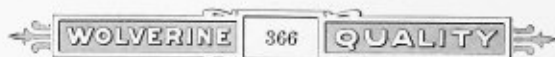
EXTRA QUALITY—CLOTH INSERTION

Number	4680	4681	4682
Thickness	$\frac{1}{16}$ "	$\frac{3}{32}$ "	$\frac{1}{8}$ "
Per Pound	\$0.70	\$0.70	\$0.70

REGULAR QUALITY—CLOTH INSERTION

Number	4685	4686	4687
Thickness	$\frac{1}{16}$ "	$\frac{3}{32}$ "	$\frac{1}{8}$ "
Per Pound	\$0.50	\$0.50	\$0.50

Furnished any desired length, but must be the full width of roll—thirty-six inches.
For weights of Packing per square foot, see Discount Sheet





White Rubber Tubing

SUPERIOR QUALITY



Showing Full Size
Cross Section
of walls



Medium



Heavy

Number	Inside Diameter	Wall	Per Hd. Feet
4700-M	$\frac{1}{4}$ "	Medium	\$ 9.00
4701-M	$\frac{3}{8}$ "	Medium	11.00
4702-M	$\frac{1}{2}$ "	Medium	12.50
4703-M	$\frac{3}{4}$ "	Medium	16.00
4700-H	$\frac{1}{4}$ "	Heavy	11.50
4702-H	$\frac{3}{8}$ "	Heavy	17.00
4703-H	$\frac{1}{2}$ "	Heavy	23.00

Boxed in fifty-foot lengths
Tubing has very fine corrugations

Heavy Thawing Hose

SPECIAL WHITE RUBBER

An extra
quality of
tubing



For use with
Thawing Steamer

Number	Inside Diameter	Wall	Per Hd. Feet
4710	$\frac{1}{8}$ "	Heavy	\$17.00

Boxed in fifty-foot lengths

Thawing Hose Connection

BRASS

Number	Size	Per Dozen
4715	$\frac{1}{8}$ " x $\frac{1}{8}$ "	\$2.40
4716	$\frac{1}{8}$ " x $\frac{1}{16}$ "	2.40



In connecting Thawing Hose to steamer, use No. 4716 Connection and a short piece of No. 4722 Tubing

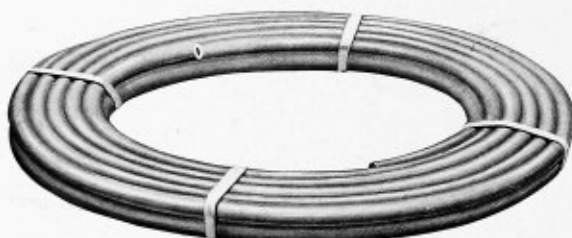
For coupling Thawing Hose use No. 4715 Connection
Thawing Steamer Listed on Page 418





Cloth Inserted Tubing

RED



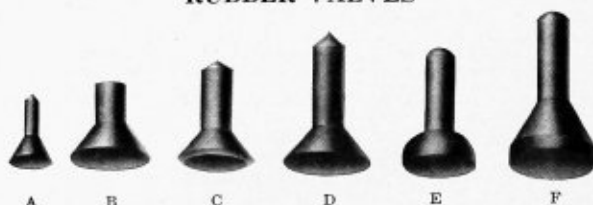
Fifty-foot lengths

Number	4720	4721	4722	4723	4724
Size	$\frac{3}{8}$ "	$\frac{1}{4}$ "	$\frac{5}{16}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "
Per Foot	\$0.12	\$0.12	\$0.12	\$0.14	\$0.18

Beer Pump Repairs

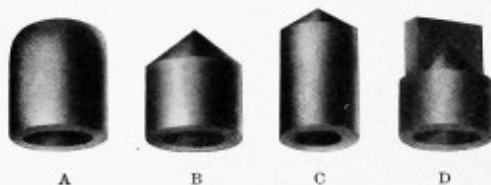
EXTRA QUALITY

RUBBER VALVES



Number	4730-A	4730-B	4730-C	4730-D	4730-E	4730-F
Style	A	B	C	D	E	F
Per Hundred	\$3.00	\$3.00	\$3.00	\$3.00	\$3.00	\$3.00

RUBBER VENTS



Number	4735-A	4735-B	4735-C	4735-D
Style	A	B	C	D
Per Hd.	\$3.00	\$3.00	\$3.00	\$3.00

RUBBER BUNG RINGS

Number	4740-A	4740-B	4740-C
Style	A	B	C
Per Hd.	\$5.00	\$5.00	\$5.00



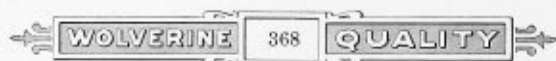
Octagon
A



Round
B

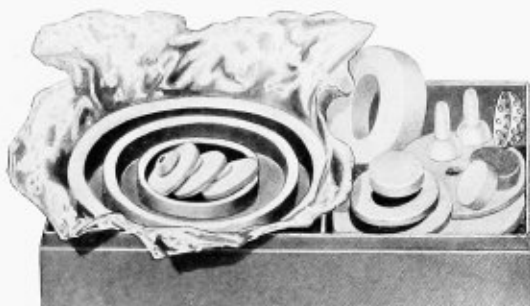


Square
C



Champion Beer Pump Packings

Cut shows complete set for pump and regulator



All cups wrapped in tin-foil and each set nicely boxed
 Sizes guaranteed correct and quality the best
 Contains seventeen pieces

1 2½-inch Cup
 1 2 -inch Cup
 1 1¼-inch Cup
 3 Stem Packings

1 2-inch Diaphragm
 2 Tit Valves
 2 Fibre Rings
 1 Leather Ring

1 Brass Strainer
 1 Bung Ring
 1 Leather Disc
 2 Rubber Discs

Number	Per Complete Set
4745	\$1.50

Champion Leather Set



One each 2½-inch, 2-inch and 1¼-inch Cups and
 3 Stem Packings.

Number	Per Set
4746	\$0.60

Each set wrapped in tin-foil and boxed

Champion Rubber Set

One 2-inch Diaphragm, 2 Tit Valves and 2 Fibre
 Rings.

Number	Per Set
4747	\$0.40





Little Wonder Beer Pump Set

Cut shows complete set for pump and regulator



All cups wrapped in tin-foil and each set nicely boxed.
 Sizes guaranteed correct and quality the best.
 Contains eighteen pieces.

1 2-inch Cup
 1 1½-inch Cup
 3 ½-inch Cups

1 2½-inch Diaphragm
 6 Rubber Washers
 1 Thomas Vent

4 Leather Washers
 1 2½-inch Leather
 Gasket

Number

4750

Per Complete Set

\$1.30

Little Wonder Leather Set



One each 2-inch, 1½-inch Cups and 3 ½-inch
 Cups

Number

4751

Per Set

\$0.50

Little Wonder Rubber Set

One 2½-inch Diaphragm, 6 Rubber
 Washers and 1 Thomas Vent

Number

4752

Per Set

\$0.50



Motor and Beer Pump Cups

EXTRA QUALITY

SPECIAL OILED LEATHER



Number	4760-A	4760-B	4760-C	4760-D	4760-E	4760-F	4760-G	4760-H	4760-I	4760-J	4760-K
O. D.	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{1}{2}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "	$\frac{1}{2}$ "	1"	$1\frac{1}{4}$ "	$1\frac{1}{8}$ "	$1\frac{1}{2}$ "	$1\frac{3}{4}$ "
Per Doz.	\$1.20	\$1.20	\$1.20	\$1.20	\$1.40	\$1.60	\$1.80	\$2.00	\$2.30	\$2.50	\$2.80

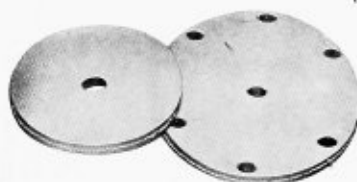
Number	4760-L	4760-M	4760-N	4760-P	4760-R	4760-T	4760-V	4760-W	4760-X	4760-Y	4760-Z
O. D.	2"	$2\frac{1}{8}$ "	$2\frac{1}{4}$ "	$2\frac{3}{8}$ "	$2\frac{1}{2}$ "	$2\frac{1}{2}$ "	3"	$3\frac{1}{8}$ "	$3\frac{1}{2}$ "	$3\frac{1}{2}$ "	4"
Per Doz.	\$3.00	\$3.40	\$3.50	\$3.60	\$3.60	\$3.60	\$4.00	\$4.50	\$5.00	\$5.50	\$6.00

Properly formed, correct walls and accurate diameters. Manufactured from the highest grade selected stock, oil tanned for the purpose.

For Ball Cock and small Leather Cups, see Pages 372-373

Beer Pump Diaphragms

SPECIAL RUBBER



Number	Description	Diameter	Per Dozen
4765-C	Champion	2"	\$3.00
4765-LW	Little Wonder	$2\frac{1}{8}$ "	3.60
4765-BW	Big Wonder	$3\frac{1}{2}$ "	4.80
4765-B	Buckeye	$2\frac{3}{8}$ "	3.60

Beer Pump Stem Packings

Cuts full size

Number	Description	Per Hundred
4770-ES	Eureka Small	\$6.00
4770-EL	Eureka Large	6.00
4770-C	Champion	6.00



Tube Washers

LEATHER

For
Bishop
and
Babcock
Tube



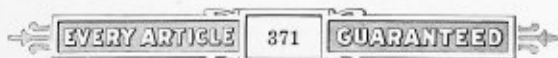
Cuts full size



For
Cleveland
Faucet
Company
Tube

Number	Per Hundred
4775	\$1.50

Number	Per Hundred
4776	\$1.50





Motor and Water Lift Packings

EXTRA QUALITY

CHECK VALVES



GEM

Number	Per Dozen
4780 For Numbers 1, 2, 2A and 3 Motors	\$1.20
Each motor requires eight valves	



ROBERT'S DUPLEX GEM

Number	Per Dozen
4782 For Nos. 1, 2, 2A and 3 motors	\$1.00

Each motor requires eight valves

GOULD'S NEW DUPLEX

Number	Per Dozen
4784 For Nos. 0 and 1 motors	\$0.50
4785 For Nos. 3 and 4 motors	.70

CHAMPION LIFT

Number	Per Dozen
4787 For Nos. 1, 2, 3, 6 and 7 lifts	\$1.20
4788 For No. 4 lift.	1.50
4789 For No. 9 lift.	2.00

Each motor requires four valves

EUREKA LIFT

Number	Per Dozen
4792 For Nos. 9 and 10 lifts .	\$1.20
4793 For No. 10½ lift	1.50

STEM PACKINGS



Number	Per Dozen
4795	\$1.00

Number	Size	Per Dozen
4800-A	1/8" x 5/16"	\$0.70
4800-B	3/16" x 1/4"	.70
4800-C	7/16" x 5/8"	.70
4800-D	1/4" x 3/8"	.70

Ball Cock Cups

SPECIAL OILED LEATHER

True
to Shape



True
to Size

Number	Outside Diameter	For Style Ball Cock	Per Hundred
4805-D	1 1/2"	Mansfield	\$4.00
4805-E	1 3/8"	Small Success	4.00
4805-I	1 1/8"	Large Success, Birkery and Douglas	4.00

An extra quality of Special Oiled Leather is used in the manufacture of our Ball Cock Cups



Small Cups

SPECIAL OILED LEATHER

FOR BALL COCKS, VALVES OR SPECIAL WORK

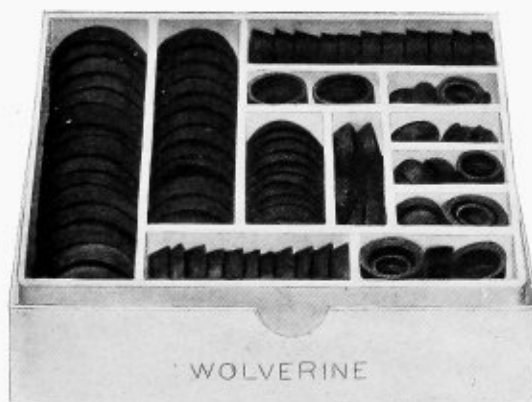


Number	4810-C	4810-D	4810-E	4810-F	4810-I	4810-K
Outside Diameter	$\frac{7}{16}$ "	$\frac{1}{2}$ "	$\frac{3}{8}$ "	$\frac{5}{8}$ "	$\frac{11}{16}$ "	$\frac{3}{4}$ "
Per Hundred	\$4.00	\$4.00	\$4.00	\$4.00	\$4.00	\$4.00
Number	4810-M	4810-P	4810-R	4810-S	4810-Y	4810-W
Outside Diameter	$\frac{11}{16}$ "	$\frac{7}{8}$ "	$\frac{11}{8}$ "	1"	1 $\frac{1}{8}$ "	1 $\frac{1}{16}$ "
Per Hundred	\$6.00	\$6.00	\$6.00	\$6.00	\$6.00	\$6.00

The extra quality of Special Oiled Leather used in the manufacture, makes our Small Cups superior to any others on the market for ball cocks, valves, basin cocks or special work.

Number 4810-K Cup used on Mott self-closing work.

ASSORTMENT SMALL CUPS



A most useful assortment to have on hand

Sizes included for every requirement

Number		Per Box
4815	One Gross assorted	\$8.00

Seat Caps

BRASS MACHINED

For Douglas, Wolff, Ideal, Success, Rival, Shea, McShane, Hamilton Gem and other makes of ball cocks and compression work



Number	Outside Diameter	Per Dozen
4820-B	$\frac{3}{16}$ "	\$1.20
4820-D	$\frac{1}{4}$ "	1.20
4820-F	$\frac{1}{2}$ "	1.20
4820-H	$\frac{3}{4}$ "	1.20
4820-J	$\frac{7}{8}$ "	1.40
4820-L	$\frac{11}{8}$ "	1.50
4820-N	1"	1.60

For Seat Caps with Packings, see Page 375



Seat Washers

EXTRA QUALITY

FOR BALL COCKS, ETC.

WITH HOLE



Number	Style	Description	Per Hundred
4825-A	A-Rubber	Standard Jr., etc.	\$2.00
4825-B	B-Rubber	Standard, B.B., etc.	2.50
4825-C	C-Leather	Standard, B.B., etc.	2.00
4825-D	D-Rubber	Mansfield, etc.	3.00
4825-E	E-Leather	Birkery, etc.	2.00
4825-F	F-Rubber	Golden Gate, etc.	5.00
4825-G	G-Rubber	Reliable, etc.	5.00

WITHOUT HOLE



Number	Style	Description	Per Hundred
4830-G	G-Rubber Bevl.	A-1 Ball Cocks, etc.	\$3.00
4831-H	H-Rubber	Hamilton Gem, Peerless, etc.	2.50
4832-H	H-Leather	Hamilton Gem, Peerless, etc.	2.00
4833-I	I-Rubber	Wolff, Ideal, Success, etc.	3.50
4834-I	I-Leather	Wolff, Ideal, Success, etc.	2.00



Number	Style	Description	Per Hundred
4835-J	J-Rubber	Dale	\$3.50
4836-J	J-Leather	Dale	2.00
4838-K	K-Rubber	Shea, etc.	4.00
4839-L	L-Rubber	Columbus, etc.	5.00

HOGAN PACKINGS

WOLFF PACKING



Number	Style	Description	Per Hundred
4845	M	Hogan Leather Washer, Small	\$1.50
4846	N	Hogan Leather Washer, Large	2.00
4847	P	Hogan Rubber Washer	4.00
4848		Hogan Sets Complete	7.00
4850	R	Wolff Soft Felt Plunger Packing	6.00

Seat Caps Listed on Page 373



Ball Cock Packings

HIGH GRADE

ASSORTMENTS

VALVE BALLS, SEAT WASHERS, ETC.



For repacking Dale, Wolff, Standard, Hamilton, Success, Ideal, Detroit, American, LaRose, Shen, Columbus, Hogan, etc.

Number		Per Box
4852	One Gross Assorted.	\$5.50

SEAT CAPS

BRASS

For Douglas, Wolff, Ideal, Rival, Gem, McShane, etc.



Number		Per Box
4854	One Gross Assorted.	\$10.00

SEAT CAPS, WITH PACKINGS



Correct Packing furnished
for each Cap

Number		Per Box
4856	One Gross Assorted.	\$7.50



Pump Cups

EXTRA QUALITY

OPEN BOTTOM

Our two-inch Open
Cups especially
adapted for
tubular wells



Made from an extra
quality of strictly
pure oak tanned
leather

Number . . .	4860-A	4860-B	4860-C	4860-D	4860-E	4860-F	4860-G	4860-H	4860-I
Size	1 1/4"	1 1/2"	1 3/4"	1 7/8"	2"	2 1/4"	2 1/2"	2 3/4"	3"
Per Dozen . . .	\$0.84	\$0.84	\$0.96	\$1.08	\$1.08	\$1.32	\$1.56	\$1.68	\$2.00
Number	4860-J	4860-K	4860-L	4860-M	4860-N	4860-P	4860-R	4860-S	
Size	3 1/4"	3 1/2"	3 3/4"	4"	4 1/4"	4 1/2"	4 3/4"	5"	
Per Dozen	\$2.50	\$2.70	\$3.10	\$3.90	\$4.50	\$4.80	\$6.00	\$7.20	

CLOSED BOTTOM

Correct
sizes
Every one
guaranteed



2 1/2" for No. 1 Pump
3" for No. 2 Pump
3 1/2" for No. 3 Pump
4" for No. 4 Pump

Number . . .	4865-A	4865-B	4865-C	4865-D	4865-E	4865-F	4865-G	4865-H	4865-I
Size	1 1/4"	1 1/2"	1 3/4"	1 7/8"	2"	2 1/4"	2 1/2"	2 3/4"	3"
Per Dozen . . .	\$0.84	\$0.84	\$0.96	\$1.08	\$1.08	\$1.32	\$1.56	\$1.68	\$2.00
Number	4865-J	4865-K	4865-L	4865-M	4865-N	4865-P	4865-R	4865-S	
Size	3 1/4"	3 1/2"	3 3/4"	4"	4 1/4"	4 1/2"	4 3/4"	5"	
Per Dozen	\$2.50	\$2.70	\$3.10	\$3.90	\$4.50	\$4.80	\$6.00	\$7.20	

All Cups especially treated to insure close fibre and long life

Side Leather

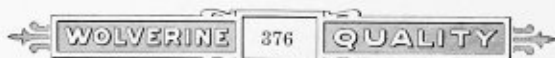
SELECTED STOCK

Trimmed



Skived

Number	Quality	Per Pound
4870	Pure Oak Tanned	\$1.40
4871	Special Oil Tanned	1.70





Pump Leathers

EXTRA QUALITY

VALVES—LOWER LEATHERS

FOR PITCHER, DEEP WELL OR SET LENGTH PUMPS



QUALITY "O"

Special Oil Tanned

Number	Pump Number	Outside Diameter	Per Dozen
4875-A	1	3"	\$1.10
4875-B	2	3½"	1.40
4875-C	Deep Well	3¾"	1.40
4875-D	3	4"	1.70
4875-E	4	4½"	2.20
4875-F	5	5"	4.00

QUALITY "A"

Select Oak Tanned

Number	Pump Number	Outside Diameter	Per Dozen
4876-A	1	3"	\$1.00
4876-B	2	3½"	1.20
4876-C	Deep Well	3¾"	1.20
4876-D	3	4"	1.50
4876-E	4	4½"	2.00
4876-F	5	5"	3.80

PLUNGERS—UPPER LEATHERS

FOR PITCHER, DEEP WELL OR SET LENGTH PUMPS

QUALITY "O"

Special Oil Tanned

Number	Pump Number	Outside Diam.	Inside Diam.	Per Dozen
4880-A	1	3"	1½"	\$1.10
4880-B	2	3½"	1¾"	1.40
4880-D	3	4½"	2"	1.70
4880-E	4	4¾"	2¼"	2.20
4880-F	5	5"	2½"	4.00

QUALITY "A"

Select Oak Tanned

Number	Pump Number	Outside Diam.	Inside Diam.	Per Dozen
4881-A	1	3"	1½"	\$1.00
4881-B	2	3½"	1¾"	1.20
4881-D	3	4½"	2"	1.50
4881-E	4	4¾"	2¼"	2.00
4881-F	5	5"	2½"	3.80



Special Oil Tanned Quality "O" will outwear any other and prove the most satisfactory



Hydrant Packings

FOR YARD HYDRANTS

CUP LEATHERS



Number	4882-A	4882-B	4882-C	4882-E	4882-F	4882-G
Size	$\frac{5}{16}$ "	$\frac{11}{16}$ "	$\frac{3}{4}$ "	1"	$1\frac{1}{2}$ "	$1\frac{1}{2}$ "
Per Dozen	\$0.70	\$0.70	\$0.70	\$0.70	\$0.70	\$0.70
Number	4882-H	4882-I	4882-J	4882-K	4882-M	4882-P
Size	$1\frac{3}{8}$ "	$1\frac{1}{2}$ "	$1\frac{1}{8}$ "	$1\frac{1}{4}$ "	$1\frac{3}{8}$ "	$1\frac{3}{4}$ "
Per Dozen	\$0.70	\$0.70	\$0.70	\$0.80	\$0.90	\$1.00

LEATHER RINGS



Number	4884-A	4884-C	4884-D	4884-E	4884-H	4884-J	4884-K	4884-M	4884-P
Diameter	1"	$1\frac{1}{8}$ "	$1\frac{1}{16}$ "	$1\frac{1}{4}$ "	$1\frac{1}{16}$ "	$1\frac{1}{8}$ "	$1\frac{1}{8}$ "	$1\frac{1}{2}$ "	$1\frac{3}{4}$ "
Per Dozen	\$0.30	\$0.30	\$0.30	\$0.30	\$0.30	\$0.30	\$0.30	\$0.30	\$0.40

In ordering specify size of hole wanted

STEM PACKINGS



Number	4886-B	4886-D	4886-F	4886-H	4886-J	4886-L
Diameter	$1\frac{1}{8}$ "	$1\frac{1}{8}$ "	$1\frac{1}{8}$ "	$1\frac{1}{2}$ "	$1\frac{1}{8}$ "	$1\frac{3}{8}$ "
Per Dozen	\$0.70	\$0.70	\$0.70	\$0.70	\$0.70	\$0.70

In ordering specify size of hole wanted

RUBBER VALVES



Number	Style	Per Dozen
4888-L	Large	\$1.00
4888-S	Small	.80

BOTTOM WASHERS

LEATHER

Number	4890-A	4890-C	4890-E	4890-G	4890-I	4890-K
Diameter	$\frac{5}{8}$ "	$\frac{7}{8}$ "	$\frac{11}{16}$ "	1"	$1\frac{1}{8}$ "	$1\frac{1}{4}$ "
Per Dozen	\$0.20	\$0.30	\$0.30	\$0.30	\$0.30	\$0.40

RUBBER

Number	Dimensions	Per Dozen
4892-G	$1\frac{1}{8}$ " O. D., $\frac{1}{4}$ " thick, $\frac{3}{8}$ " hole	\$1.00

NOTE—In ordering please give dimensions of leather wanted, also name of hydrant, or send sample





Hydrant Packings

FOR YARD HYDRANTS

TOTAL ECLIPSE



Number	Size	Per Dozen Sets
4895	For 3/4" Hydrant	\$2.00
4896	For 1" Hydrant	2.50

ECLIPSE



Number	Per Dozen Sets
4897	\$2.00

ECLIPSE ANTI-FREEZING



Number	Per Dozen Sets
4898	\$2.60

CHALLENGE



Number	Per Dozen Sets
4899	\$3.00

CLIMAX



Number	Per Dozen
4900 Sets complete as shown	\$7.00
4901 Rubber Washer only	3.60
4902 Spring only	2.00
4903 Ball only	2.00



Hydrant Packings

FOR YARD HYDRANTS

MURDOCK



Number	Size	Per Dozen Sets
4905	$\frac{3}{4}$ "	\$1.20
4906	1"	1.50

CLIMAX, JR.



Number	Per Dozen Sets
4908	\$2.50

CLIMAX, SR.



Number	Per Dozen Sets
4909	\$1.00

GOULD'S CRESCENT



Number	Per Dozen Sets
4910	\$0.80

REGISTER



Number	Per Dozen
4912 Complete Set as shown	\$3.00
4913 Leather Cup only (3-inch)	2.00
4914 Leather Ring only	.70
4915 Rubber Washer	.60

ECLIPSE HOPPER COCK PACKINGS



Number	Per Dozen Sets
4918	\$2.60

Separate Packings Listed on Page 378





Asbestos Wicking

EXTRA FINE QUALITY

LONG FIBRE



Number	4920	4921
Weight	1/4 lb. Balls	1/2 lb. Balls
Per Pound	\$0.80	\$0.72
Per Dozen Balls	2.40	4.32

Candle Wicking

HIGHEST QUALITY

Number

4925	Per Dozen Balls	\$1.20
4926	Per Five Pound Bag	3.50



Strand Wicking

EXTRA FINE



Number

4925-F	Per Dozen Balls	\$1.80
4926-F	Per Five Pound Bag	5.50

Plumbers' Adamantine Candles

Special 12's
3/4-inch Diameter
4 inches Long



For
Soldering
and
Light

Coach 5's
1 1/4-inch Diam-
eter
4 inches Long

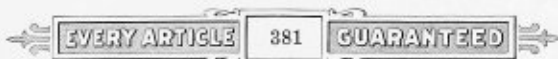


Number	Per Case
4928 20 Dozen	\$5.50

Number	Per Case
4931 20 Pounds	\$ 6.40
4932 40 Pounds	12.00

"Efficiency Considered"

Wolverine Candles will be found uniform in Quality and reasonable in Price





Wolverine Solder Refiner

WAFER FORM

MAKES PURE SOLDER

Removes from
Solder all impurities
that render it
unfit for use



No trouble
with Solder
when using
Refiner

Number

4934	Per Package of Twelve Wafers.	\$0.50
4934-C	Per Carton of 12 Packages (144 Wafers)	5.40

First-class Solder, for either sweating or wiping, can economically be made by melting up old joints, adding old block tin pipe to make mixture fine, and removing all impurities with our Refiner.

Wolverine Soil Pipe Stick

SIMPLY HEAT BEFORE APPLYING



Number

4935	Per Dozen	\$3.00
----------------	-----------	--------

A sure cure for Leaky Joints on Soil Pipe, etc.

Handy Plumbers' Soil

Key Grease



Number

4937	Pocket Size Can.	\$6.00
------	--------------------------	--------

Makes Ground Key Work last longer and work easier. A lubricant that will not set, soften in warm or harden in cold weather.



Number

4939	Pocket Size Can	\$3.60
------	-----------------	--------

Per Dozen

Paste



Number

4941	Pocket Size Jar	\$2.40
------	---------------------------	--------

Per Dozen

The Ever-Ready Paste especially prepared for plumbers' use. Will not freeze in cold or dry in hot weather. Keep cap screwed on tight.



Wolverine Tinner

FOR TINNING AND SOLDERING LEAD, BRASS OR NICKEL PIPE, SOLDERING NIPPLES, UNIONS, CURB COCKS, ETC.

READY FOR USE

Saves considerable Filing, Scraping and the use of Acids, Candles or Rosin. Directions with each package.



Number

4943

Per Dozen

\$3.60

Any mechanic who has his own distinct and satisfactory method may use this convenient flux in place of rosin, grease or acid, securing results that will be surprising, and with considerable less trouble.

Smooth-On Cement

PETRIFYING QUALITIES

BLUE LABEL

Number

4945 One Pound

Per Can

\$1.00

4946 Five Pounds

4.50

Permanently repairs leaks in hot and cold water pipe, cast iron lavatories, iron sinks, bath tubs, etc.

Directions on Each Can



Smooth-On Joints

RED LABEL



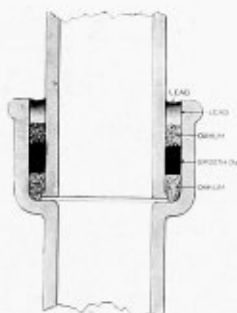
Number

4948 Five Pounds

Per Can

\$2.50

Saves re-calking
Makes absolutely air and
water-tight joints
Directions on Each Can



One pound of "Smooth-On Joints" equals five pounds of lead. See sectional cut



Wolverine Pipe Joint Cement

FOR STEAM, WATER, OIL OR GAS

PAILS CONTAINING 5, 10, 20 AND 50 POUNDS



Simply
mix the
required
amount

No waste



Number
4950

Per Pound
\$0.40

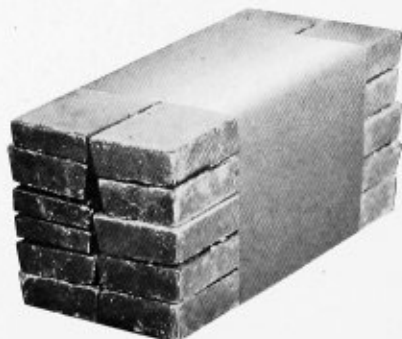
Makes Perfect, Non-Leaking Joints
Better and cheaper than red or white lead. "A little goes far."
The 50 pound package is a heavy, useful galvanized pail.
Furnished also in small barrels of 200 pounds.
Special quantity prices on application

Gas Fitters' Cement

SUPERIOR QUALITY

Number Per Package
4953 Five Pounds \$1.00

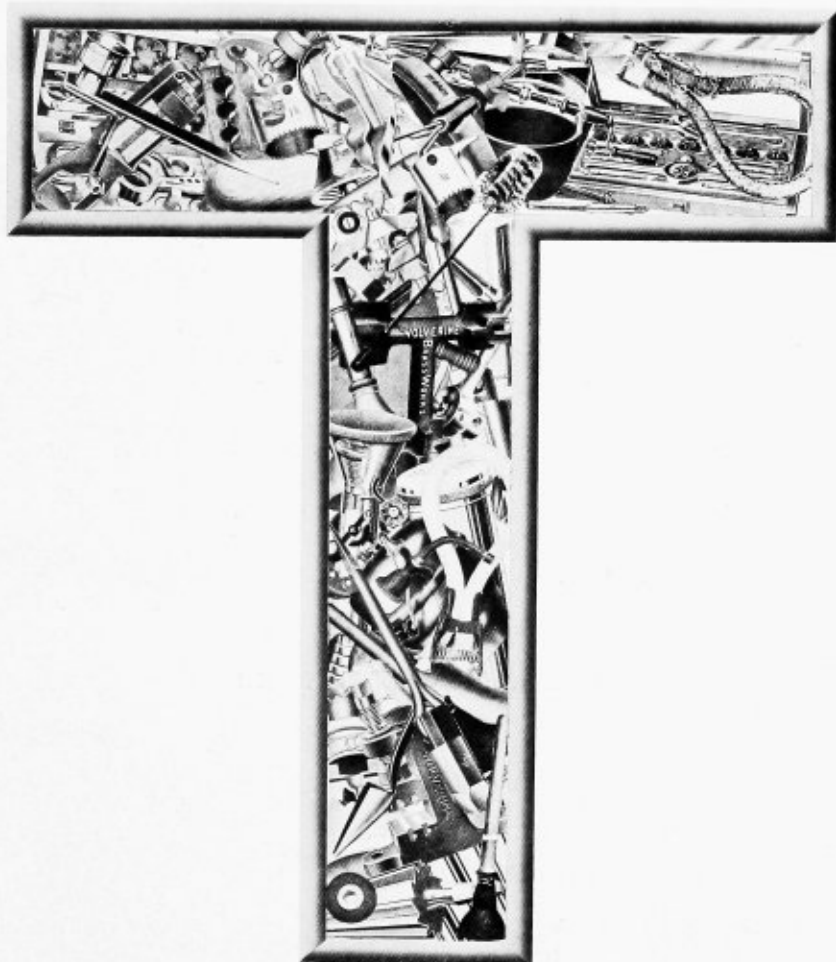
"The Kind that Sets Hard"



W O L V E R I N E

HIGHEST GRADE

PLUMBERS' TOOLS



Our Tools are made from the highest grade materials obtainable, each article carefully and especially designed for the purpose, giving strength and quality where needed.

Every Tool Guaranteed



Wolverine Adjustable Closet Augers

FLEXIBLE PIANO WIRE SPRINGS
WITH REMOVABLE GUARD

Patented

END ADJUSTABLE TO ANY BEND



Number	Description	Each
4955	Complete with 3-foot Spring	\$7.00
4956	Complete with 6-foot Spring	8.00

Springs $\frac{1}{8}$ inch diameter.

The design and construction of the Wolverine Adjustable Auger makes its use practical on straight runs as well as on any bend or angle.

Wolverine Simplex Closet Augers

FLEXIBLE PIANO WIRE SPRINGS
WITH REMOVABLE GUARD



Seamless Japanned Steel Tube is bent to guide spring into closet, and provided with convenient hand grip and rotary crank handle

Number	Description	Each
4958	Complete with 3-foot Spring	\$5.50
4959	Complete with 6-foot Spring	6.50

Springs $\frac{1}{8}$ inch diameter

Instantly and thoroughly cleans and removes obstructions from closets, drain pipes, etc.
A most valuable tool to have on hand.

Auger Parts Listed on Page 388

"Two-In-One" Auger Pump

SOLID BRASS PARTS NICKELED

HIGH GRADE RUBBER PUMP

Patented

WITH REMOVABLE GUARD

USE AS PLUMBERS' FRIEND



USE AS AUGER



Flexible piano wire spring slides into handle

Number	Description	Each
4961	Pump and Auger Complete	\$10.00
4962	3-foot Spring only, with Guard and Gimlet Point	2.50

Springs $\frac{1}{8}$ inch diameter

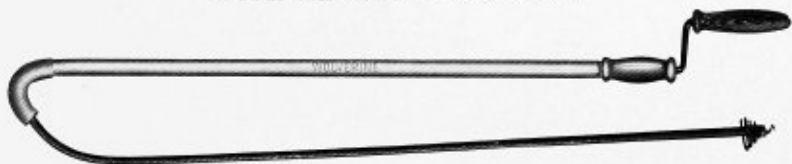
Diameter of Pump, 4 inches. Diameter of Casing, $1\frac{1}{4}$ inches

For Guard and Gimlet Point only, see Page 388

Wiggley Augers

FLEXIBLE PIANO WIRE SPRINGS

WITH REMOVABLE GUARD



Bend for Spring Guide is cast brass. Seamless japanned steel tube has hand grip and rotary crank handle

Instantly and thoroughly cleans and removes obstructions from closets, drain pipes, etc.

Number	Description	Each
4964	Complete with 3-foot Spring	\$6.00
4965	Complete with 6-foot Spring	7.00

Springs $\frac{1}{8}$ inch diameter

Auger Parts Listed on Page 388





Auger and Cleaner Parts



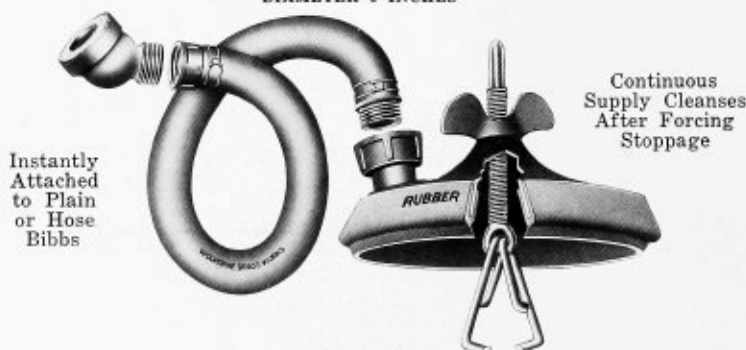
Number	Description	Size	Length	Each
4967	Extension Spring with Couplings	$\frac{3}{16}$ "	3 ft.	\$2.00
4968	Extension Spring with Couplings	$\frac{1}{8}$ "	6 ft.	3.00
4969	Extension Spring with Couplings	$\frac{1}{8}$ "	12½ ft.	4.00
4970	Extension Spring with Couplings	$\frac{1}{8}$ "	25 ft.	7.00
4971	Extension Spring with Couplings	$\frac{1}{2}$ "	12½ ft.	5.00
4972	Extension Spring with Couplings	$\frac{1}{2}$ "	25 ft.	8.00
4973	Wire Guard only, $1\frac{1}{8}$ " diameter			.30
4974	Gimlet Point only, for $\frac{1}{16}$ " Spring			.40
4975	Gimlet Point only, for $\frac{1}{2}$ " Spring			.40
4976	Male Coupling for $\frac{1}{16}$ " Spring			.20
4977	Male Coupling for $\frac{1}{2}$ " Spring			.20
4978	Female Coupling for $\frac{1}{16}$ " Spring			.20
4979	Female Coupling for $\frac{1}{2}$ " Spring			.20

Wolverine Forcing Cup

SPECIAL RUBBER RIM

WITH EXTENDED LIP FOR UNEVEN SURFACES

DIAMETER 6 INCHES



Number	Description	Each
4981	Complete with 3 feet of Hose and Royle Connection	\$5.50
4981-C	Forcing Cup (less Hose and Connection)	4.00

PARTS

Number	Description	Each
4981-R	Rubber Rim only	\$1.00
4981-S	Heavy Brass Threaded Stem only	.70
4981-N	Heavy Brass Thumb Nut only	.40
4981-H	Hooks only	.20

Lavatory and Sink Cleaner



WITH INTEGRAL POINT



Number	Size	Length	Each
4983 Complete	$\frac{5}{16}$ "	7 ft.	\$3.00

Made from Extra Quality Flexible Spring Brass Wire.

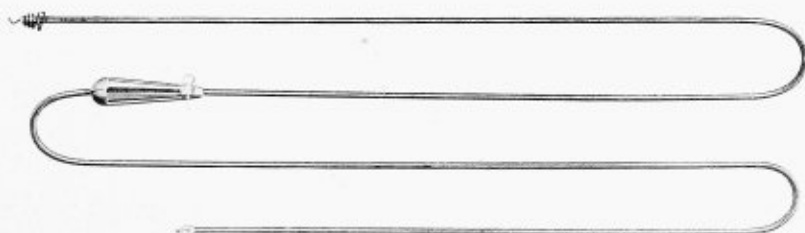
Japaned Handle clamps to Spring at any point desired.

The small diameter of Spring and shape of Gimlet allows its use through Patent Overflow Plug, etc.

A most convenient Cleaner to use in small places and for close work.

Flexible Waste Pipe Cleaner

WITH GIMLET POINT AND GUARD



Highest Grade Imported Steel Spring

Number	Size	Length	Each
4985	$\frac{7}{16}$ "	12½ ft.	\$5.00
4986	$\frac{1}{8}$ "	25 ft.	8.00
4987	$\frac{1}{2}$ "	12½ ft.	6.00
4988	$\frac{1}{2}$ "	25 ft.	9.00

Handle clamps at any desired point. Springs provided with Coupling so that any number of lengths may be screwed together

Springs

WITH GUARD AND GIMLET POINT

Number	Size	Length	Each
4990	$\frac{1}{8}$ "	3 ft.	\$2.50
4991	$\frac{1}{8}$ "	6 ft.	3.50
4992	$\frac{1}{8}$ "	12½ ft.	4.50
4993	$\frac{7}{16}$ "	25 ft.	7.50
4994	$\frac{1}{2}$ "	12½ ft.	5.50
4995	$\frac{1}{2}$ "	25 ft.	8.50



Wolverine Plumbers' Friend

EXTRA QUALITY RUBBER

WITH CLEANABLE VALVE



Long Hardwood Handle
Length over all, 42 inches

Sectional view, showing Double Air Inlet Valve and how easily the inlets can be cleaned without removing the handle, as opening goes through the rubber in a straight line.

Long-lived, positive and satisfactory.

DIAMETER 4 INCHES

Number	Description	Each
5000	Grey Rubber	\$2.00
5001	Red Rubber	2.50

Display Rack

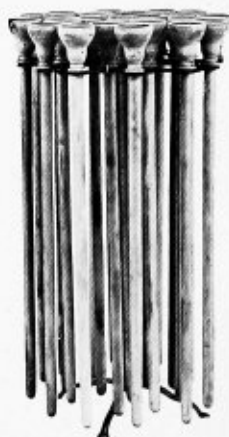
NEATLY DESIGNED—JAPANNED FINISH

Number 5000-DR

This Display Rack with contents is valuable in that loaning is averted, a sale effected, a profit made and a customer retained, instead of possibly a customer dissatisfied by refusal of loan.

RACK HOLDS TWENTY-FOUR

Terms on application



Shop Rack

JAPANNED FINISH



Number	Each
5000-SR With Screws	\$0.70

A very convenient Rack for the shop.
Holds three Plumbers' Friends of any size.



Wolverine Plumbers' Friend

GREY RUBBER

LONG HARDWOOD HANDLE



LENGTH OVER ALL 42 INCHES

NOTE — Rubber Pump
Securely Wired on the
Notched Handle and Can-
not be Pulled Off



Diameter 3 ³/₄ Inches



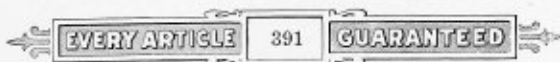
Diameter 4 ⁵/₈ Inches



Diameter 6 Inches

Number	Style	Diameter	Each
5002	Without Valve	3 ³ / ₄ "	\$1.00
5003	Without Valve	4 ⁵ / ₈ "	1.50
5004	With Valve	6 "	2.50

"Shape and Quality insures Durability"





Large Plumbers' Friend

EXTRA QUALITY RUBBER

WITH CLEANABLE VALVE

LENGTH 13 INCHES—DIAMETER 6 INCHES

FOR FORCING SINK PIPES, ETC.

Number	Style	Each
5005	Complete with Handle	\$3.50
5006	Rubber Pump only, with Band . .	3.00

By removing $\frac{3}{4}$ -inch cap extension or connection can be made to Force Pump by means of a $\frac{3}{4}$ -inch coupling.

Waterworks pressure easily connected when required



"Handy" Force Cup

EXTRA QUALITY

Number	Diameter	Each
5009	$3\frac{7}{8}$ "	\$0.70
5010	$4\frac{1}{2}$ "	1.00

Short handle japanned
Heavy metal forcing plate

Closet Bowl Brush

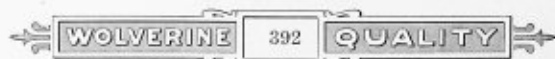
HIGH GRADE BRISTLES

Twisted Wire and Japanned Handle



Number	Length	Per Dozen
5012	22"	\$7.00

"A Necessity in Every Bath Room"



Wolverine Grapple Hooks

MALLEABLE PARTS JAPANNED

Patented



Handle Grip
Open Jaws
Non-Rusting
Brass Spring

Spring holds
jaws on
obstacle for
withdrawal

No. 5014

Length, 5½ feet
Weight 4½ pounds
Jaws when open
2¾ inches

No. 5015

Length, 6 feet
Weight, 7 pounds
Jaws when open
5¼ inches

Number	Description	Each
5014	As shown, for Openings 2, 3 and 4 inches	\$4.50
5015	As shown, for Openings 4, 5 and 6 inches	5.00
5014-J	Small Jaws only	.30
5015-J	Large Jaws only	.30

STRONG—DURABLE—USEFUL

Quickly removes any obstruction from Stop Boxes, Vent Pipes, Hoppers, etc.
Saves digging and entire cost on first job

Service Box Key

MALLEABLE



Number	Each
5018	\$0.30

Handy Box Key

BRONZE NICKELED



"Carry in the vest pocket"

"Always on the job"

Number	Each
5019	\$0.50

Street Washer Key

MALLEABLE



Number	Size	Each
5021-A	1½"	\$0.30
5021-B	¾"	.30
5021-C	½"	.30

Number 5021-C Street Washer Key for McNamara, Total Eclipse and Murdock



Wrenches

MALLEABLE IRON JAPANNED

TRAP SLIP JOINT



Number Each
5023 \$0.50
Also used on Waste Plugs of
Waste and Overflow

BASIN AND BATH PLUG



Number Each
5024 \$0.50
To make up on Basin and Bath Plugs
A very desirable Wrench

Closet Spud Wrench

MALLEABLE IRON JAPANNED

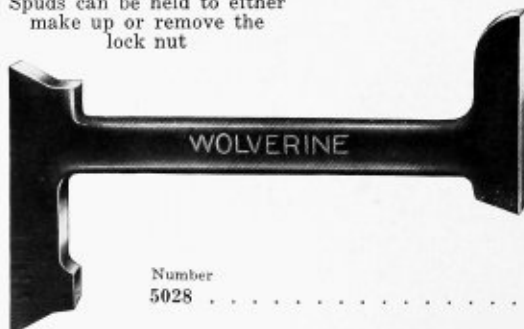


Number Each
5026 \$0.50
This Wrench is thin and will take lock nuts on 1 1/4 and 2-inch spuds

Closet Spud Holder

MALLEABLE IRON JAPANNED

Spuds can be held to either
make up or remove the
lock nut



The peculiar shape of this
Holder enables the mechanic
to insert (long end first) in
either 1 1/4 or 2-inch closet
spud and engage the internal
lug whether it be on the side
or internal flanged portion of
the spud.

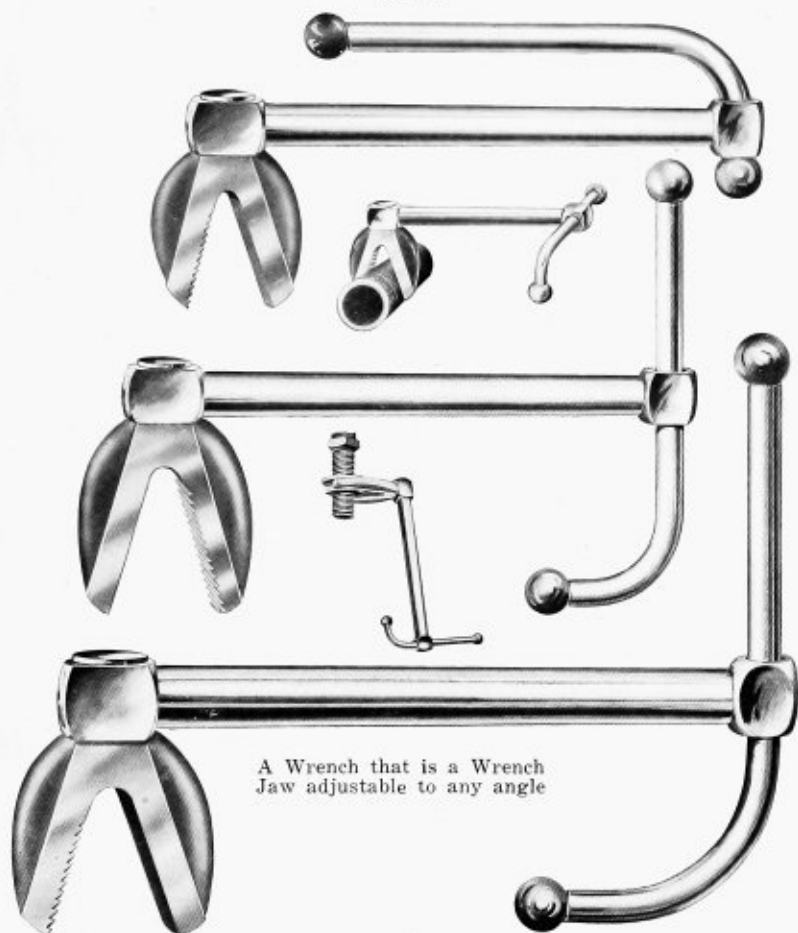
Number Each
5028 \$0.50

Adjustable Alligator Wrenches

NICKELED

HIGH GRADE TOOL STEEL

Patented



A Wrench that is a Wrench
Jaw adjustable to any angle

Number	Size	Each
5030	6"	\$2.70
5031	6" Special Extra Long Jaw	3.00
5032	8"	3.50

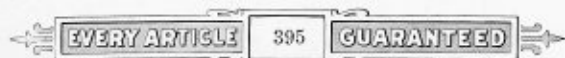
Jaw on 6-inch Special has large capacity for Basin Cock Nuts, etc.

A tool every plumber should have in his kit

Firmly grips Pipe, Rod and all shapes of Nuts.

Unexcelled for working in close places, under floors, in corners, between joists, under lavatories, back of bath tubs, in fact, any place where the ordinary wrench cannot be used.

The Best all around Wrench on the Market

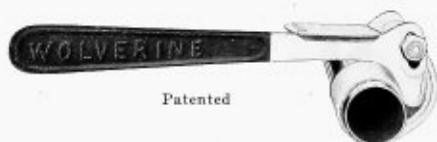




Wolverine Brass Pipe Wrenches

JAPANNED HANDLE—NICKELED HEAD

WITH LOOP STRAP



Cannot Slip

Number	Size	Takes Pipe	Each
5035 . . .	12" . . .	1/4" to 2" . . .	\$3.00
5036 . . .	18" . . .	1/2" to 5" . . .	5.00

Will not mar or crush pipe

"Handy" Brass Pipe Wrench

Japanned

WITH PLAIN STRAP

Number	Size	Takes Pipe	Each
5037 . . .	12" . . .	1/4" to 2" . . .	\$2.00



Straps for Brass Pipe Wrenches

WITH LOOP END



Number	For	Length	Each
5040 . . .	12" Wrench . . .	12" . . .	\$0.50
5041 . . .	12" Wrench . . .	18" . . .	.70
5042 . . .	18" Wrench . . .	20" . . .	1.00

WITH PLAIN END



Number	For	Length	Each
5040-P . . .	12" Wrench . . .	12" . . .	\$0.50
5041-P . . .	12" Wrench . . .	18" . . .	.70
5042-P . . .	18" Wrench . . .	20" . . .	1.00

Strap Vises Listed on Page 398

Combination Pliers

DROP FORGED—NICKELED

STRAIGHT



Number	Size	Per Pair
5045 . . .	6" . . .	\$1.00
5045-B Bolt . . .		Each, .20

BENT NOSE



Number	Size	Per Pair
5047 . . .	10" . . .	\$1.80
5047-B Bolt . . .		Each, .20

Stillson Repairs

GENUINE



Size	6	8	10	14	18	24	36	48
Jaws, each	\$0.76	\$0.76	\$0.80	\$1.00	\$1.34	\$2.10	\$4.76	\$7.26
Frames, each	.36	.36	.40	.50	.56	.80	1.30	1.50
Wood Handles, each	.16	.16	.18	.26				
Nuts for Jaw, each	.12	.12	.14	.18	.22	.36	.56	.96
Springs, each	.10	.10	.10	.10	.10	.12	.14	.14
Springs (set of three)	.30	.30	.30	.30	.30	.34	.40	.40
Frame Pins, each	.04	.04	.04	.04	.04	.04	.06	.06
Spring Pins, each	.02	.02	.02	.02	.02	.02	.02	.02
End Nuts, each	.10	.10	.12	.12				

Trimo Repairs

GENUINE



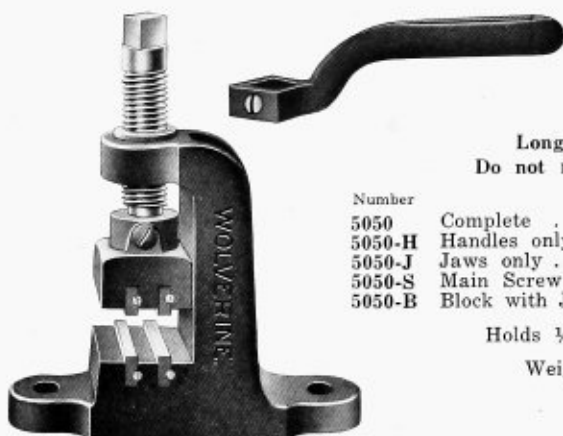
Size	6	8	10	14	18	24	36	48
Movable Jaw, each	\$0.68	\$0.68	\$0.76	\$1.00	\$1.34	\$2.00	\$4.00	\$6.00
Inserted Jaw, each	.26	.26	.34	.50	.56	.66	1.00	1.26
Nut, each	.20	.20	.28	.36	.42	.50	.66	.80
Frame, each	.26	.26	.34	.46	.56	.66	.76	1.00
Springs, each	.04	.04	.04	.04	.06	.06	.06	.06
Frame Pins, each	.04	.04	.04	.04	.06	.06	.06	.06
Jaw Pins, each	.04	.04	.04	.04	.06	.06	.06	.06



Wolverine Pipe Vise

MALLEABLE FRAME TOOL STEEL JAWS

FOR BRASS AND IRON PIPE



"Just Right"
for the Kit

Long Parallel Jaws
Do not mar or crush pipe

Number		Each
5050	Complete	\$4.50
5050-H	Handles only	.30
5050-J	Jaws only	.30
5050-S	Main Screw	.80
5050-B	Block with Jaws	1.00

Holds $\frac{1}{8}$ to $\frac{3}{4}$ -inch pipe

Weight, 6 pounds

Jaws will last four times as long as other styles because they are reversible end for end and also can be turned over, thereby giving four wearing edges

Wolverine Strap Vise

MALLEABLE

HOLDS $\frac{3}{4}$ TO 2-INCH IRON PIPE SIZE

Number	Each
5052 Complete	\$5.00
5053 Strap only.	1.00

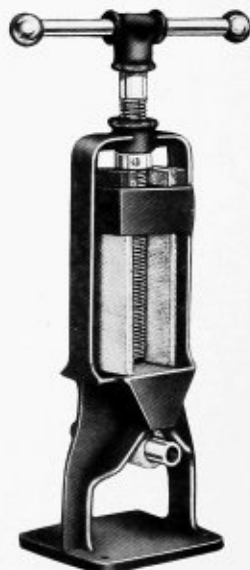
Vise holds large or small pipe for threading, cutting, screwing on fittings, etc.

Strap is extra heavy four-ply and closely interwoven, is $\frac{1}{8}$ -inch thick by 2 inches wide, and Guaranteed to stand the strain.

Will not mar the finest surface.

Holding power increased by applying powdered rosin on strap.

Strap Wrenches for Brass Pipe Listed on Page 396



Keystone Pipe Vise

JAPANNED

WITH ROLLER JAWS AND SIDE CLUTCH



COMPLETE

Number	Weight	Holds	Each
5055 . . .	10 lbs. . .	1/4" to 2" Pipe . . .	\$3.50
5057 . . .	25 lbs. . .	1/2" to 4" Pipe . . .	9.00

PARTS FOR No. 5055

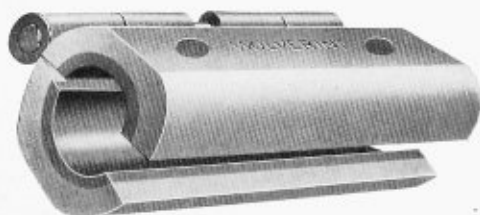
Number	Description	Each
5060	Roller Jaws	\$0.70
5062	Handle with Screw	1.40
5063	Slide with Jaw	1.00
5064	Yoke	1.50
5065	Bolts	.10
5066	Clutch	.50

PARTS FOR No. 5057

Number	Description	Each
5070	Roller Jaws	\$1.50
5072	Handle with Screw	2.10
5073	Slide with Jaw	2.00
5074	Yoke	3.50
5075	Bolts	.20
5077	Clutch	.70

Never-Slip Pipe Clamp

MALLEABLE IRON

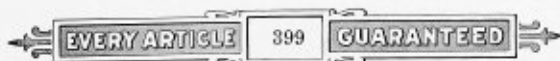


For Vise or Wrench

Number	To Hold	Each
5090-B	3/8" I. P. Size	\$1.50
5090-C	1/2" I. P. Size	1.50
5090-D	3/4" I. P. Size	1.50
5091-B	5/8" Plumbers' F. T. Tube	1.50
5091-C	3/4" Plumbers' F. T. Tube	1.50
5092-D	1 1/4" O. D. Tubing	2.00
5092-E	1 3/8" O. D. Tubing	2.00
5092-F	1 1/2" O. D. Tubing	2.00

"Will not mar the Finest Surface"

Securely holds nickel plated Brass Pipe for cutting, threading and screwing on fittings
Strap Wrenches for Brass Pipe Listed on Page 396

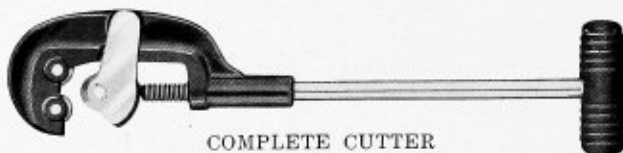




Pipe Cutters

GENUINE

SAUNDERS' ONE WHEEL



COMPLETE CUTTER

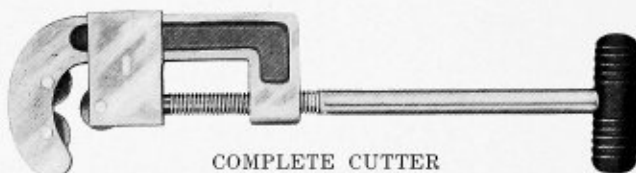
Number	Size	Cuts Pipe	Each
5110	1	$\frac{1}{8}$ " to 1"	\$1.80
5111	2	1" to 2"	2.60

BLOCK WITH WHEEL

HANDLES

Number	Size	Each	Number	Size	Each
5120	1	\$0.90	5130	1	\$0.72
5121	2	1.24	5131	2	.90

BARNES' THREE WHEEL



COMPLETE CUTTER

Number	Size	Cuts Pipe	Each
5140	1	$\frac{1}{8}$ " to 1"	\$2.20
5141	2	$\frac{1}{2}$ " to 2"	3.00

BLOCK WITH WHEEL

HANDLES

Number	Size	Each	Number	Size	Each
5145	1	\$1.10	5150	1	\$0.50
5146	2	1.44	5151	2	.70

Wheels, Rollers and Pins Listed on Pages 402-403

Lead Pipe Cutter

NICKELED



Cuts Lead Pipe up to 2-inch, inclusive

Number	Each
5155	\$2.50
5155-W	.20
5155-S	.10

Wolverine Taper Reamers

POLISHED

FOR BIT BRACE



High Grade Tool Steel
tempered and ground



FLAT TAPER

REAMS PIPE
FROM $\frac{1}{4}$ TO 2 INCHES, INCLUSIVE

Number	Each
5157	\$3.00

—NOTE—

Flat Taper Reamer has opening to insert $\frac{3}{8}$ -inch Iron Pipe for convenient handle when desired.

ROUND TAPER

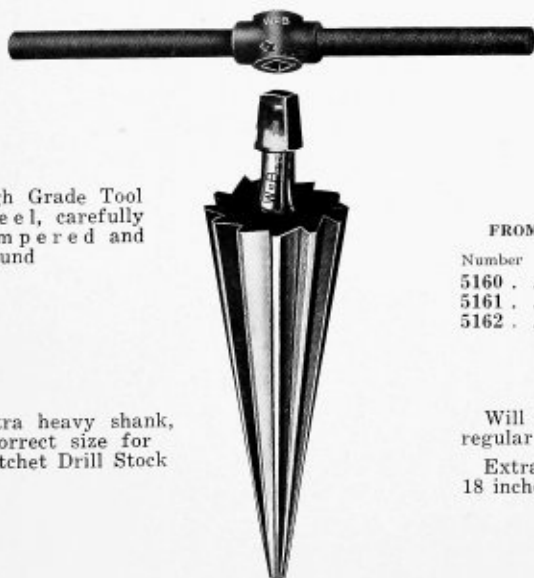
REAMS PIPE
FROM $\frac{1}{4}$ TO 1 $\frac{1}{4}$ INCHES, INCLUSIVE

Number	Each
5159	\$6.00



"Three-In-One" Taper Reamer

WITH EXTRA HEAVY SHANK AND HANDLE



High Grade Tool
Steel, carefully
tempered and
ground

Extra heavy shank,
correct size for
Ratchet Drill Stock

ROUND TAPER

REAMS PIPE
FROM $\frac{1}{4}$ TO 2 INCHES, INCLUSIVE

Number	Description	Each
5160 . .	Reamer and Handle . .	\$9.00
5161 . .	Reamer only	8.50
5162 . .	Handle only	.50

—NOTE—

Will do the work of a set of three
regular Taper Reamers

Extra strong Japanned Iron Handle,
18 inches over all.





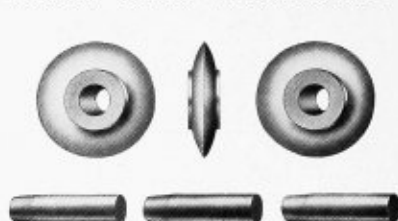
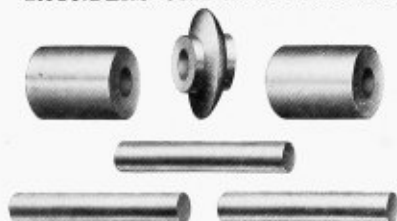
Wheels, Pins and Rollers

FINEST TOOL STEEL

FOR ALL MAKES OF PIPE CUTTERS

SET FOR
SAUNDERS' ONE WHEEL CUTTER

SET FOR
BARNES' THREE WHEEL CUTTER



WHEELS

Number	5165-A	5165-B	5165-C	5165-D	5165-E	5165-F
For Cutter Size	1	2	3	4	5	6
Per Dozen	\$3.00	\$3.60	\$4.80	\$6.00	\$9.00	\$9.00

PINS

Number	5167-A	5167-B	5167-C	5167-D	5167-E	5167-F
For Cutter Size	1	2	3	4	5	6
Per Dozen	\$1.20	\$1.20	\$1.80	\$2.40	\$3.00	\$3.00

ROLLERS

Number	5169-A	5169-B	5169-C	5169-D
For Cutter Size	1	2	3	4
Per Dozen	\$3.00	\$4.00	\$6.00	\$7.80

—NOTE—

Several manufacturers make special Cutters named after themselves (like Reed, Marks, etc.) which take the same repair as Saunders' or Barnes'. In ordering, note following table of sizes, and state number and whether for one wheel, no roller; one wheel and roller, or three wheel Cutter. If preferable, mail us the old wheel and we will determine required size.

FOR SAUNDERS' ONE WHEEL CUTTERS, ETC.

Size	WHEELS			PINS FOR WHEELS		ROLLERS			PINS FOR ROLLERS	
	Diam.	Thick	Hole	Length	Diam.	Length	Diam.	Hole	Length	Diam.
1	1 1/8"	3/8"	5/8"	1 1/2"	1/8"	3/4"	3/4"	5/8"	1 1/2"	1/8"
2	1 3/8"	7/8"	3/4"	2"	3/8"	1"	7/8"	3/4"	2"	3/8"
3	1 1/2"	5/8"	3/8"	2"	3/8"	1 1/8"	1"	3/4"	2 1/4"	3/8"
4	1 5/8"	5/8"	3/8"	2"	3/8"	1 1/8"	1"	3/4"	2 1/4"	3/8"

FOR BARNES' THREE WHEEL CUTTERS, ETC.

Size	WHEELS			PINS FOR WHEELS	
	Diameter	Thick	Hole	Length	Diameter
1	1 1/8"	3/4"	1 1/8"	1"	1 1/8"
2	1 3/8"	7/8"	1 1/4"	1 1/8"	1 3/8"
3	1 1/2"	3/8"	1 1/4"	1 3/8"	1 1/2"
4	1 5/8"	1 1/2"	1 1/4"	1 3/8"	1 5/8"
5	1 3/4"	1 1/2"	1 1/4"	1 3/8"	1 3/4"
6	1 7/8"	1 1/2"	1 1/4"	1 3/8"	1 7/8"
7	1 11/8"	1 1/2"	1 1/4"	1 3/8"	1 11/8"

We can also furnish from stock repairs for the following Cutters: Standard, Reed, Marks, Armstrong, Holland, Walworth, Keystone, Eureka, etc.

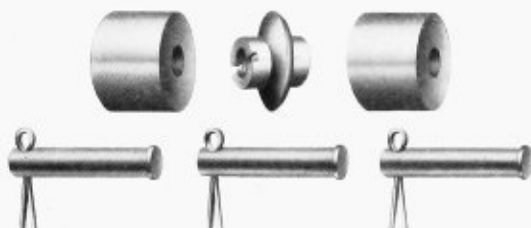
Pipe Cutters Listed on Page 400



Wheels, Pins and Rollers

FINEST TOOL STEEL

TRIMO



WHEELS

Number	5171-A	5171-B	5171-C
For Cutter Size.	1	2	3
Per Dozen	\$4.50	\$4.50	\$6.00

PINS

Number	5173-A	5173-B	5173-C
For Cutter Size.	1	2	3
Per Dozen	\$1.50	\$1.50	\$2.00

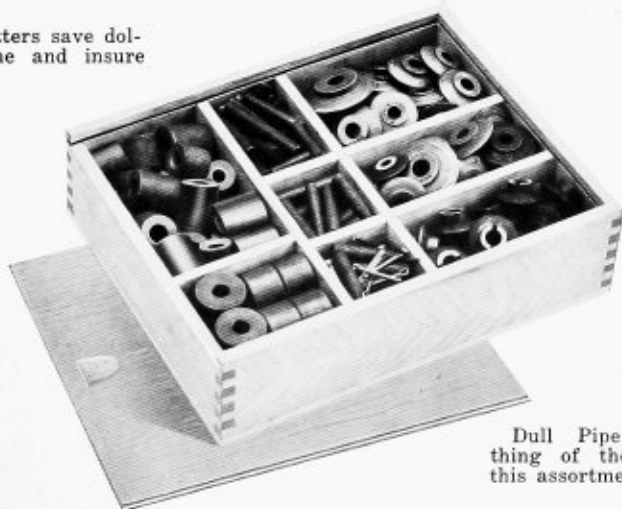
ROLLERS

Number	5175-A	5175-B	5175-C
For Cutter Size.	1	2	3
Per Dozen	\$4.50	\$4.50	\$6.00

ASSORTMENT

INCLUDING SAUNDERS', BARNES' AND TRIMO WHEELS, PINS AND ROLLERS
FINEST TOOL STEEL

Sharp Cutters save dollars in time and insure better work



Dull Pipe Cutters a thing of the past with this assortment

Number		Per Box
5180 One Gross assorted.		\$33.50

In strong wood partitioned box with sliding cover



Wolverine Tap and Die Set

MACHINE SCREW THREADS
FOR PLUMBERS' USE



Set contains one each Tap and Die of the following sizes:
6-32, 8-32, 9-32, 10-24, 10-28, 10-32, 12-24, 14-20
And one each Tap and Die Holder

Number	Description	Each
5189	Complete Set in Hardwood Box.	\$13.00

Tap and Die Holders are Genuine Bronze Nickeled

Wolverine Die Holder

NICKELED

Number	Each
5191	\$1.20



Wolverine Tap Holder

NICKELED



Number	Each
5192	\$1.20

Thumb Screws

Number	Style	Each
5191-S	For Die Holder	\$0.20
5192-S	For Tap Holder	.20



Adjustable Jaws

TEMPERED STEEL



Number	Per Set
5192-J For Tap Holder	\$0.50





Adjustable Dies

HIGH GRADE TEMPERED STEEL

MACHINE SCREW THREADS

Number	5193-A	5193-B	5193-C	5193-D	5193-E	5193-F	5193-G	5193-H	5193-I
Size	4-36	6-32	6-36	8-32	9-32	10-24	10-28	10-32	11-24
Diameter	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"
Thickness	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"
Each	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00

Number	5193-J	5193-K	5193-L	5193-M	5193-N	5193-P	5193-R	5193-S	5193-T	5193-V
Size	11-24	12-24	14-20	14-24	1/4-18	1/4-20	1/4-22	1/4-24	1/4-28	5/16-18
Diameter	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"
Thickness	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"
Each	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.20



Machine Screw Taps

Number	5195-A	5195-B	5195-C	5195-D	5195-E	5195-F	5195-G	5195-H	5195-I	5195-J
Size	4-36	6-32	6-36	8-32	9-32	10-24	10-28	10-32	11-24	11-24
Each	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50

Number	5195-K	5195-L	5195-M	5195-N	5195-P	5195-R	5195-S	5195-T	5195-V
Size	12-24	14-20	14-24	1/4-18	1/4-20	1/4-22	1/4-24	1/4-28	5/16-18
Each	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.60

Fine Thread Dies

27 THREADS TO THE INCH

SOLID

FOR TUBING

Number	5197-B	5197-C	5197-D	5197-E	5197-F	5197-G	5197-H
For Tube	1"	1 1/8"	1 1/4"	1 3/8"	1 1/2"	1 5/8"	2"
Each	\$2.50	\$2.50	\$2.50	\$2.50	\$2.50	\$2.50	\$2.50



ADJUSTABLE

FOR TUBING

Number	5198-B	5198-C	5198-D	5198-E	5198-F	5198-G	5198-H
For Tube	1"	1 1/8"	1 1/4"	1 3/8"	1 1/2"	1 5/8"	2"
Each	\$2.80	\$2.80	\$2.80	\$2.80	\$2.80	\$2.80	\$2.80



Fine Thread Taps

27 THREADS TO THE INCH

FOR TUBING

Number	5199-B	5199-C	5199-D	5199-E	5199-F	5199-G	5199-H
Size	1"	1 1/8"	1 1/4"	1 3/8"	1 1/2"	1 5/8"	2"
Each	\$3.50	\$3.50	\$3.50	\$4.00	\$4.00	\$5.00	\$5.00



For Tap Wrench see Discount Sheet



Wolverine Fine Threading Set

FOR TUBING



SET CONSISTS OF

One each $1\frac{1}{4}$, $1\frac{1}{2}$, $1\frac{3}{4}$ and 2-inch Dies, Guide and Nipple Holder, one Nickeled Die Holder, one Polished Steel Hack Saw complete, one Wolverine Strap Wrench for Nickel Plated Pipe, and one Hardwood Compartment Case, Oil Finished

Number	Description	Each
5200	Complete Set, as shown	\$20.00
5200-S	Nickel Plated Die Holder only	4.00
5200-G	Guides only	.40
5200-H	Nipple Holders only	.70

A complete and practical set of tools that we can recommend

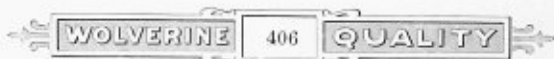
Your equipment incomplete without them. Will save entire cost on first fair-sized job of nickel piping

SET OF TWO SIZES

Set same as above, except $1\frac{1}{2}$ and 2-inch Dies, Guide and Nipple Holders are omitted

Number	Description	Each
5201	Complete for Threading $1\frac{1}{4}$ and $1\frac{3}{4}$ -inch Tubing	\$15.00

All Fine Thread Dies 27 Threads to the inch



Adjustable Fine Threading Set

FOR TUBING



Dies adjustable to cut over or under
Size Threads, 27 Threads to the inch

SET CONSISTS OF

One each $1\frac{1}{4}$, $1\frac{1}{2}$, $1\frac{3}{4}$ and 2-inch Dies, Guide and Nipple Holder, one Nickeled Die Holder, one Polished Steel Hack Saw complete, one Wolverine Strap Wrench for Nickel Plated Pipe, and one Hardwood Compartment Case, Oil Finished

Number	Description	Each
5202	Complete Set, as shown	\$21.00
5202-S	Nickel Plated Die Holder only	4.00

A most satisfactory set of tools every plumber should have on hand
Your equipment complete at a small cost, compared with the saving
Guides and Nipple Holders Listed on Page 406.

SET OF TWO SIZES

Set same as above, except $1\frac{3}{4}$ and 2-inch Dies, Guide and Nipple Holders are omitted

Number	Description	Each
5203	Complete for Threading $1\frac{1}{4}$ and $1\frac{1}{2}$ -inch Tubing	\$15.60



Swedging Tools

TEMPERED STEEL

CORRECT SIZES



FOR SWEDGING TUBE

1¼, 1¾, 1½ AND 2 INCHES

Number	Description	Each
5204	1¼", 1¾", 1½" and 2" complete .	\$5.50
5205	Combination 1¼", 1¾", 1½" . . .	4.00
5206	2" size only	2.00

Especially desirable for
Swedging Tube when extra
length is wanted

Very convenient for the kit

Swedged Extension Tubes Listed on Page 115

Plumbers' Pocket Snips

POLISHED TOOL STEEL



Number	Length	Each
5208	7"	\$2.50

A time saver for cutting light metals

Will cut right and left hand circles as well as straight work

Handy Tubing Blocks

ESPECIALLY SEASONED AND OILED

Number	Holds	Each
5209-A . . . ¼", ¾", 1½", ¾" Iron Pipe Sizes . .		\$0.50
5209-B . . . 1¼", 1¾", 1½" O. D. Tube		.50
5209-C . . . 1" and 2" O. D. Tube		.50

Adapted for use in any Square-Jawed Vise



Wolverine Ratchet Die Stock

POLISHED STEEL

SIZE NO. 1

CHANGED INSTANTLY FOR RIGHT OR LEFT HAND THREAD



SHOWING FRONT OF STOCK



Patented

SHOWING BACK INSERTING DIE



Weight, Six Pounds

Wolverine Ratchet Die Stock takes any make of standard size square dies $\frac{1}{8}$ inch to 1 inch, inclusive, $2\frac{1}{2}$ " x $2\frac{1}{2}$ " x $\frac{3}{4}$ "

Number	Description	Each
5210	Stock with Bushing and handle	\$11.00
5210-H	Handle only	.70
5210-B	Bushing only	.30

DIES ARE NOT INCLUDED WITH STOCK

Removable Handle makes it handy for the kit. The only Ratchet Stock ever devised for working in close places as stock is but $2\frac{1}{4}$ inches edge to center. Every mechanic will appreciate this tool for work in corners, under floors, in trenches or between pipes, as it is not necessary to remove pipe from the original position.

Front Plate is solid and die inserts from the back, thereby relieving all strain on back plate and possible annoyance from die working loose.

Gas Fixture Stock and Die

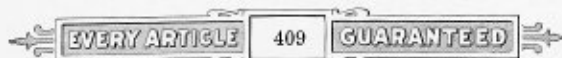
BRONZE NICKEL PLATED

AN EXTRA HIGH GRADE TOOL



Number	Description	Each
5214	Stock complete with $\frac{1}{8}$ -inch and $\frac{1}{4}$ -inch Iron Pipe Size Dies	\$6.00
5214-A	Die only— $\frac{1}{8}$ -inch Iron Pipe Size	1.80
5214-B	Die only— $\frac{1}{4}$ -inch Iron Pipe Size	1.80

Oil Tempered, adjustable Dies are $1\frac{1}{8}$ inches O. D. x $\frac{7}{16}$ inch thick
Stock is 10 inches long





Hack Saw Frames

STEEL NICKELED

ADJUSTABLE AND SOLID BACK

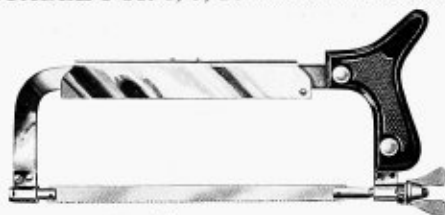


Number	Description	Each
5215	Adjustable back, for 8, 9, 10 and 12-inch blades, as shown	\$2.00
5216	Solid back, with 8-inch blade	1.30

"Straight-Cut" Saw Frames

SIMONDS' PATENT

ADJUSTABLE FOR 8, 9, 10 AND 12-INCH BLADES



Number	Description	Each
5218	Nickel plated, complete with blade, as shown	\$2.50

Wolverine Special Hack Saw Blades

FOR PLUMBERS' USE



FLEXIBLE SOFT BACK—EXTRA FINE TEETH—32 POINT

For Thin Brass, Iron Tubing, etc. Will not break

Number	5220	5221	5222	5223
Length	8"	9"	10"	12"
Per Dozen	\$1.30	\$1.50	\$1.70	\$2.10

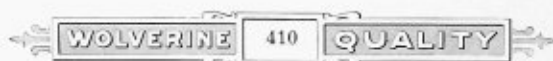
FLEXIBLE SOFT BACK—MEDIUM FINE TEETH—24 POINT

Number	5225	5226	5227	5228
Length	8"	9"	10"	12"
Per Dozen	\$1.30	\$1.50	\$1.70	\$2.10

HARD BACK—MEDIUM FINE TEETH—24 POINT

Number	5225-H	5226-H	5227-H	5228-H
Length	8"	9"	10"	12"
Per Dozen	\$1.30	\$1.50	\$1.70	\$2.10

Teeth especially hardened and the best cutting results obtained.
Teeth will not shell out



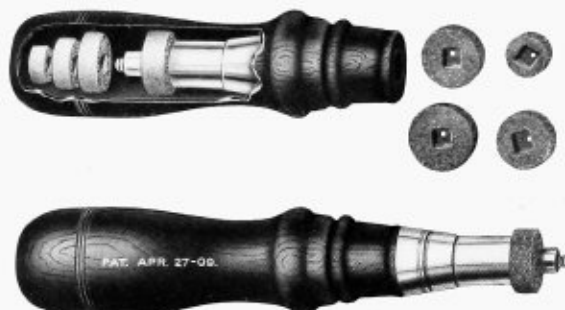


Wolverine Bibb Seat Grinder

PARTS BRASS NICKELED

HARDWOOD HANDLE

SMOOTH CUTTING CORUNDUM WHEELS



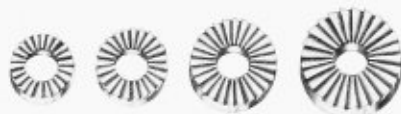
Number	Description	Each
5234	Complete with Four Wheels.	\$1.50
5235-A	Wheel only $\frac{1}{16}$ "	.30
5235-B	Wheel only $\frac{3}{16}$ "	.30
5235-D	Wheel only $\frac{1}{4}$ "	.30
5235-F	Wheel only $\frac{3}{8}$ "	.30

An excellent tool for regrinding seats on Bibbs, Basin Cocks, Bath Cocks, etc.
Top view shows how neatly the parts are placed in the handle when not in use.

Seating Tool Cutters

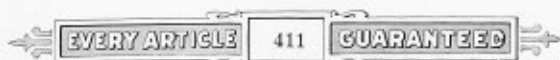
FINEST TEMPERED TOOL STEEL

RADIAL PATTERN



Number	5237-A	5237-B	5237-D	5237-F
Diameter	$\frac{1}{16}$ "	$\frac{3}{16}$ "	$\frac{1}{4}$ "	$\frac{3}{8}$ "
Each	\$0.60	\$0.60	\$0.60	\$0.60

Radial Cutters are tapped to fit thread on stem of Universal Seating Tools Numbers 5239, 5240 and 5252





Universal Seating Tools

NICKELED

WITHOUT HOLDER

Patented



Makes old Bibbs
good as new

For Reseating Valves,
Bibbs, Cocks, etc., the
Universal has no equal.

Cutters of the finest
tempered tool steel



Number	Description	Each
5239	Complete with Four Cutters Nos. 5245-A-B-D and F	\$3.50

Number	Description	Each
5240	Complete with Four Cutters Nos. 5245-A-B-D and F	\$5.00

Seating Tool Cutters

FINEST TEMPERED TOOL STEEL

SMOOTH CUT

Patented



Number	5245-A	5245-B	5245-C	5245-D	5245-E	5245-F	5245-H	5245-J
Diameter	$\frac{3}{8}$ "	$\frac{5}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "	$\frac{1}{2}$ "	$\frac{3}{8}$ "	1"	$1\frac{1}{8}$ "
Each	\$0.60	\$0.60	\$0.60	\$0.60	\$0.60	\$0.60	\$0.80	\$1.00

Non-Chatting, insuring smooth seat

Grinding Heads



Number	5250-A	5250-B	5250-D	5250-F
Diameter	$\frac{3}{8}$ "	$\frac{5}{8}$ "	$\frac{3}{4}$ "	$\frac{7}{8}$ "
Each	\$0.50	\$0.50	\$0.50	\$0.50

Wheels Number 5235-A-B-D and F fit above Heads

Universal Seating Tool

NICKELED

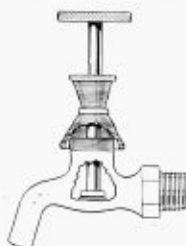
WITH HOLDER

Patented



Holder Removed
ready for use

For Reseating Valves,
Bibbs, Basin Cocks, etc.



Sectional view of Large
Cone Screwed on Ex-
ternal Thread

Cutters of the finest
Tempered Tool Steel



Showing Section of Tool
with Holder applied

Number	Description	Each
5252	Complete with Holder and four Cutters, Nos. 5245-A-B-D and F . . .	\$6.00

Sectional view of Small
Cone Screwed into In-
ternal Thread of Valve



Sectional view of Small
Cone Screwed onto Ex-
ternal Thread of Basin
Cock

Sectional view of Large
Cone Screwed into In-
ternal Thread of Valve





Perfection Shell Drills

HIGH GRADE TOOL STEEL

FOR BIT BRACE



Number	Cuts Hole For	Hole Taps For	Diameter of Cutter	Each
5255-C	$\frac{3}{8}$ " Iron Pipe	$\frac{1}{2}$ " Pipe Thread	$\frac{11}{16}$ "	\$2.30
5255-D	$\frac{1}{2}$ " Iron Pipe	$\frac{3}{4}$ " Pipe Thread	$\frac{13}{16}$ "	2.30
5255-E	$\frac{3}{4}$ " Iron Pipe	1" Pipe Thread	1 $\frac{1}{4}$ "	2.70
5255-F	1" Iron Pipe	1 $\frac{1}{4}$ " Pipe Thread	1 $\frac{1}{2}$ "	3.10
5255-G	1 $\frac{1}{4}$ " Iron Pipe		1 $\frac{3}{4}$ "	3.50
5255-H	1 $\frac{1}{2}$ " Iron Pipe		1 $\frac{7}{8}$ "	4.00
5255-I	2" Iron Pipe		2 $\frac{1}{8}$ "	5.00
5255-J		1 $\frac{1}{2}$ " Pipe Thread	1 $\frac{3}{4}$ "	4.00
5255-K		2" Pipe Thread	2 $\frac{1}{8}$ "	5.00

For drilling hole in stoves, water heaters, soil piping, sinks, bath tubs, wash trays, hardwood flooring, etc.

Cutters screwed on shank and cannot drop off inside of work and cause trouble. Cutters interchangeable on long or short shanks.

"Do not crowd Cutter in Drilling." An easy, steady turn will do the work in less time and also prevent the breaking of Cutter.

Sand and scale cleaned from cast iron before applying Drill will lengthen its usefulness.

Center Drills

FOR SHANKS



Number	Each
5260	\$0.30

Set Screw

FOR SHANKS



Number	Each
5261	\$0.20

Shanks for Perfection Drills

DROP FORGED STEEL

SHORT

Number	Size	Each
5265	Regular	\$0.70



LONG



Number	Size	Each
5266	10"	\$1.50

For Stove Drill Sets see Discount Sheet





Cutters for Perfection Drills

HIGH GRADE TOOL STEEL
TEMPERED AND DRAWN



Number	5270-C	5270-D	5270-E	5270-F
Makes Hole for I. P. Size	$\frac{3}{8}$ " I. P.	$\frac{1}{2}$ " I. P.	$\frac{3}{4}$ " I. P.	1" I. P.
Each	\$1.40	\$1.40	\$1.80	\$2.20

Number	5270-G	5270-H	5270-I	5270-J	5270-K
Makes Hole for I. P. Size	1 $\frac{1}{4}$ " I. P.	1 $\frac{1}{2}$ " I. P.	2" I. P.	To Tap 1 $\frac{1}{2}$ " I. P.	To Tap 2" I. P.
Each	\$2.60	\$3.10	\$4.20	\$3.10	\$4.20

Wolverine Brick and Stone Drills

HARDENED STEEL



Use any short piece of pipe for handle.
Internal Shoulder takes driving strain and saves the threads.

Number	Makes Hole for	Diameter of Drill	Handle Required	Per Dozen
5280-A	$\frac{3}{8}$ " Iron Pipe	$\frac{7}{8}$ "	$\frac{3}{8}$ " Iron Pipe	\$ 4.80
5280-B	$\frac{1}{4}$ " Iron Pipe	$\frac{11}{8}$ "	$\frac{1}{4}$ " Iron Pipe	4.80
5280-C	$\frac{3}{8}$ " Iron Pipe	$\frac{7}{8}$ "	$\frac{3}{8}$ " Iron Pipe	4.80
5280-D	$\frac{1}{2}$ " Iron Pipe	1"	$\frac{1}{2}$ " Iron Pipe	6.00
5280-E	$\frac{3}{4}$ " Iron Pipe	1 $\frac{1}{4}$ "	$\frac{3}{4}$ " Iron Pipe	7.20
5280-F	1" Iron Pipe	1 $\frac{1}{2}$ "	1" Iron Pipe	14.40
5280-G	1 $\frac{1}{4}$ " Iron Pipe	2"	1 $\frac{1}{4}$ " Iron Pipe	21.60
5280-H	1 $\frac{1}{2}$ " Iron Pipe	2 $\frac{1}{4}$ "	1 $\frac{1}{2}$ " Iron Pipe	28.80
5280-I	2" Iron Pipe	2 $\frac{3}{4}$ "	2" Iron Pipe	36.00

Wolverine Brick and Stone Drills will make a clean, smooth hole without chipped edges, through any wall, irrespective of its thickness.

Anchors, Expansion Bolts, etc., Listed on Pages 282-292



Furnace Repairs

Number 5285

Wolverine Filling Screw A  Each \$0.30	H. J. & C. and C. & L. Filling Screw B  Each \$0.20	Handle Ear C  Each \$0.10	Tee Plug D  Each \$0.12
Elbow E  Each \$0.10	Brass Tee F  Each \$0.20	Brass Nuts G No. 1 No. 2  Each \$0.04	Handle H  Each \$0.30
Burner I  Each \$0.20	Connecting Pipe J  Each \$0.16	Upright K  Each \$0.16	Extension Tube for Reservoir L  Each \$0.30
Wire for Coil M  Each \$0.10	Air Valve N  Each \$0.50	Gasoline Valve O  Each \$0.70	Coil P  Each \$0.60
Bulb (Large) Q  Each \$0.50	Shield R  Each \$0.60	Top Plate S  Each \$0.40	Coil Cup T  Each \$0.50
Reservoir U  Each \$3.00			

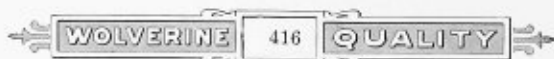
Air Pumps (FOR TORCHES AND FURNACES)

Number	Description	Each
5290-P	Pump only	\$1.20
5290-C	Collar only	.20
5290-K	Knob only	.20



Air Pump Repairs

CORKS		SPRING		CUP	
					
Number	Per Dozen	Number	Per Dozen	Number	Per Dozen
5294	\$0.30	5296	\$0.50	5298	\$0.70



Wolverine Improved Coil Furnaces

EXTRA STRONG GALVANIZED TANKS

WITH SAFETY AIR VALVE AND BALL CHECK



EXTRA QUALITY BULB

Number	Each
5300 Complete	\$7.00

No danger of explosions with a Safety Air Valve and Ball Check on your furnace. Positively prevents fires and operator need have no fear of injury, as vapors or oil cannot escape the automatic closing of valve.

Every furnace
tested and
guaranteed

WITH BRASS AIR PUMP

Number	Each
5301 Complete	\$7.50

Brass Air Pump enables operator to create a higher pressure for greater heat



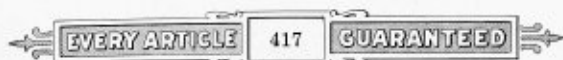
Wolverine Safety Air Valve

WITH BALL CHECK

Positively Prevents Explosions

Number	Each
5303	\$0.80

Equip your furnace with Safety Air Valve and Ball Check, thereby overcoming the dangers of fire, explosion, and possible loss of life.





Wolverine Thawing Steamer

HEAVY COPPER

FOR USE WITH COIL FURNACES



Tank Fits
Large or
Small Shields

Safety Valve
Prevents
Blowing Up

Thawing Hose and Connections Listed on Page 367

Number	Each
5305	\$10.00

The most durable Steamer for thawing pipes of every description. Why use the ordinary explosive can?

Soldering Coppers

POINTED PATTERN



Number	5307-A	5307-B	5307-C	5307-D	5307-E	5307-F	5307-G
Weight per Pair	1 lb.	1½ lb.	2 lb.	3 lb.	4 lb.	5 lb.	6 lb.
Diameter	¾"	7/8"	1"	1½"	1¾"	1¾"	1¾"
Each	\$0.60	\$0.72	\$0.90	\$1.20	\$1.56	\$1.98	\$2.40

Above lists do not include handles

Our Coppers are hand forged (not cast), and are guaranteed not to crack when heated for repointing.

The shanks are made from the best of iron and so forged into bolts as not to loosen from the effects of fire.

Handles for Coppers

Number	Per Dozen
5308	\$0.80



Asbestos Joint Runners

EXTRA QUALITY



SQUARE

Number	Diameter of Rope	For Joints	Each
5310 . . .	$\frac{3}{4}$ " . . .	2", 3" & 4" . . .	\$2.50
5311 . . .	$\frac{3}{4}$ " . . .	4", 5" & 6" . . .	3.00
5312 . . .	$1\frac{1}{4}$ " . . .	6" & 8" . . .	6.00
5313 . . .	$1\frac{1}{4}$ " . . .	6", 8" & 10" . . .	8.00



ROUND

Number	Diameter of Rope	For Joints	Each
5315 . . .	$\frac{3}{4}$ " . . .	2", 3" & 4" . . .	\$1.80
5316 . . .	$\frac{3}{4}$ " . . .	4", 5" & 6" . . .	2.30

PARTS

Number	Description	Each
5320	Clamp and Chain complete for Square Runner	\$0.70
5321	Clamp and Chain complete for Round Runner	.70
5322	Springs only	.10

Melting Pots

UNBREAKABLE



Number	Size	Per Dozen
5325	5"	\$6.00
5326	6"	8.40

Pouring Ladles

WROUGHT STEEL—DOUBLE LIPPED



Number	Size	Per Dozen
5330	$2\frac{1}{2}$ "	\$4.80
5331	3"	6.00
5332	$3\frac{1}{2}$ "	7.20

To allow proper space for flame, our Number 5325 is $4\frac{1}{8}$ inches at top, and Number 5326 is $5\frac{1}{2}$ inches



Calking Tools and Chisels

TOOL STEEL

WARRANTED



Number	Style	Thickness of Point	Width of Point	Length of Point	Size	Each
5334-A . . .	Regular Cape	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$2\frac{3}{4}$ "	$\frac{5}{8}$ " x $7\frac{3}{4}$ "	\$0.80
5334-B . . .	Half Round Cape	$\frac{1}{2}$ "	$\frac{1}{2}$ "	$2\frac{3}{4}$ "	$\frac{5}{8}$ " x $7\frac{3}{4}$ "	.80
5334-C . . .	Diamond Point	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$2\frac{3}{4}$ "	$\frac{5}{8}$ " x $7\frac{3}{4}$ "	.80
5334-D . . .	Cold Chisel	$\frac{1}{2}$ "	$\frac{1}{2}$ "	$2\frac{3}{4}$ "	$\frac{5}{8}$ " x $7\frac{3}{4}$ "	.70
5334-E . . .	Calking Tool	$\frac{3}{16}$ "	$\frac{3}{4}$ "	2"	$\frac{5}{8}$ " x $7\frac{1}{2}$ "	.90
5334-F . . .	Yarning Iron	$\frac{1}{16}$ "	$\frac{3}{4}$ "	$3\frac{3}{4}$ "	$\frac{5}{8}$ " x 10"	1.00

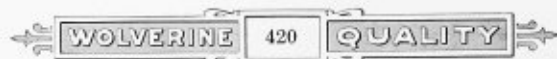
"Wolverine" Calking Tools and Chisels are made for service from Extra Quality High Grade Tool Steel.

Bending Pin

POLISHED TOOL STEEL



Number	Length	Each
5336	11"	\$0.70





Testing Plugs

FOR LEAD PIPE, IRON PIPE AND I. P. SIZE BRASS PIPE

Number	Size	Each
5338	1 1/4"	\$0.50
5339	1 1/2"	.60



SINGLE—FOR SOIL PIPE



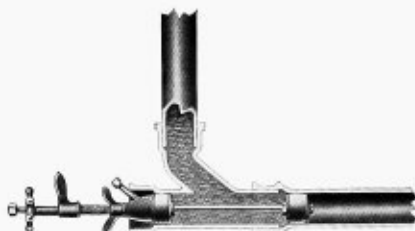
Number	Size	Each
5340	2"	\$1.10
5341	3"	1.40
5342	4"	1.60
5343	5"	2.20
5344	6"	2.70

Will fit light, heavy or extra heavy Soil Pipe and make perfect joints.

DOUBLE—FOR SOIL PIPE

Number	Size	Each
5350	2"	\$ 5.00
5351	3"	7.00
5352	4"	9.00
5353	5"	12.00
5354	6"	15.00

Stack can be filled with water. When test is finished, the water is allowed to waste into the sewer by releasing tension on the lower rubber.



The two and three-inch Plugs do not have Pipe Connection for filling stack

Assures a tight joint without waste water on floor

Testing Plug Rings

EXTRA QUALITY RUBBER

HAND MADE

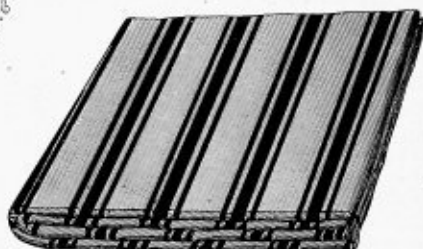


Number	5358	5359	5360	5361	5362	5363	5364
Size	1 1/4"	1 1/2"	2"	3"	4"	5"	6"
Each	\$0.20	\$0.20	\$0.26	\$0.50	\$0.70	\$0.90	\$1.20



Plumbers' Wiping Cloths

CAREFULLY PREPARED



EXTRA QUALITY HERRINGBONE

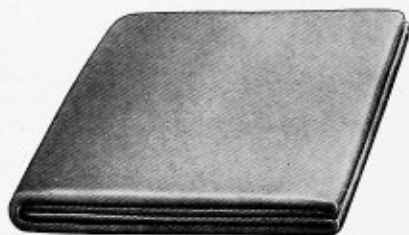
Each Cloth
Wrapped Separately

Number	5375	5376	5377	5378	5379
Size	1½" x 2½"	1¾" x 3"	2" x 2½"	2" x 3"	2½" x 2½"
Per Dozen	\$2.00	\$2.00	\$2.00	\$2.00	\$2.00
Number	5380	5381	5382	5383	5384
Size	2½" x 3"	3" x 3"	3" x 3½"	3½" x 3½"	3½" x 4"
Per Dozen	\$2.20	\$2.40	\$2.40	\$2.60	\$2.80
Number	5385	5386	5387	5388	5389
Size	4" x 4"	4" x 5"	5" x 5"	4" x 8"	6" x 8"
Per Dozen	\$3.00	\$3.60	\$4.80	\$6.00	\$7.20

Any size not listed will be promptly made to order.
All sizes are made 12-ply, which gives the best satisfaction.
No extra charge, however, for making cloth 16-ply.
All cloths are treated to prevent burning and do not require "breaking in."
Folded right—tied right.

GENUINE IMPORTED MOLESKIN

Each Cloth
Wrapped Separately



Number	5400	5401	5402	5403	5404
Size	1½" x 2½"	1¾" x 3"	2" x 2½"	2" x 3"	2½" x 2½"
Per Dozen	\$2.80	\$3.00	\$3.00	\$3.60	\$3.60
Number	5405	5406	5407	5408	5409
Size	2½" x 3"	3" x 3"	3" x 3½"	3½" x 3½"	3½" x 4"
Per Dozen	\$3.60	\$3.60	\$4.00	\$4.80	\$4.80

Any size not listed will be promptly made to order
For Wiping Cloths in Sets, see Discount Sheet

HERRINGBONE

MOLESKIN

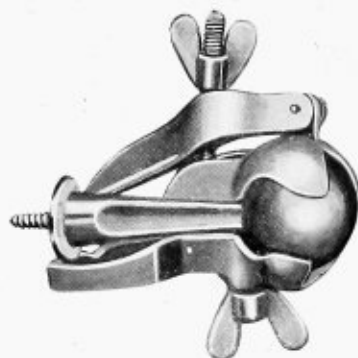
Number	Per Yard	Number	Per Yard
5410	\$0.80	5411	\$1.80

The Trade will find our Herringbone and Moleskin of the Finest Quality
for making up their own Cloths

"Little Jack" Joint Holders

CAST BRASS ADJUSTABLE

Patented



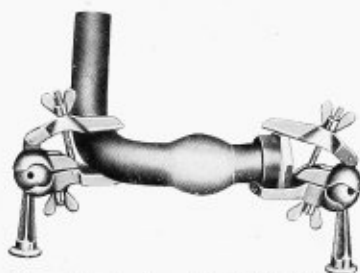
"Little Jack" Folded for the Kit

Number	Description	
5413 . . .	Per Single Jack	\$1.50
5414 . . .	Per Set of Three Jacks	4.00

Holds article in any
desired position

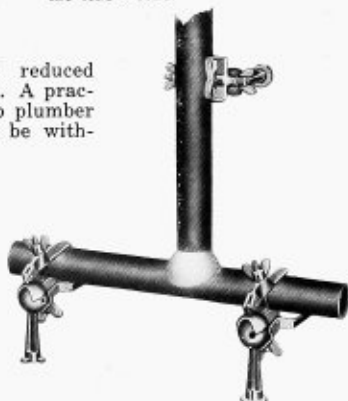
Extreme spread of jaws, three inches

View showing how a Lead Pipe
Tee Branch is held in place for
the lead worker



View showing how the Loose Nut of
Soldering Unions, Couplings, etc., may be
held

Joint wiping reduced
to a minimum. A prac-
tical device no plumber
can afford to be with-
out



Lead Pipe Expanding Pliers

HIGH GRADE STEEL

For turning collar on lead traps and
flanging lead pipe for joint wiping.

Number	Each
5420	\$2.70

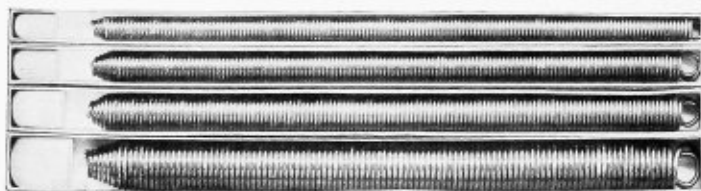




Bending Springs

GENUINE BILLINGS

GUARANTEED



Each Spring packed in a separate box with Drift Plug

Number	5425	5426	5427	5428
Size	1"	1 1/4"	1 1/2"	2"
Each	\$1.10	\$1.30	\$1.80	\$2.40

Bending Spring Holder

CAST BRASS

Number	Each
5429	\$0.50

With this Holder a bend can be made in any part of a long pipe with regular length spring.

Place Holder in eye of spring and screw into it any desired length of 1/2-inch iron pipe. The hook will lock automatically.



Drift Plugs

EXTRA QUALITY



Highest Grade
Selected Stock

Number	Size	Per Dozen
5430	1"	\$4.00
5431	1 1/4"	4.20
5432	1 1/2"	4.40
5433	2"	4.80

Turn Pins

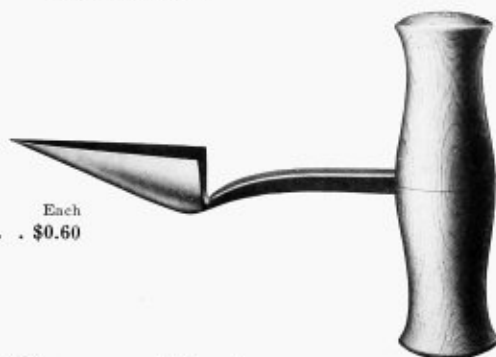
EXTRA QUALITY



Number	Size	Per Dozen
5440	1 3/4"	\$6.00
5441	2"	6.00
5442	2 5/8"	7.00

Tap Borer

EXTRA QUALITY



Number

5445

Each

\$0.60

Shave Hook

EXTRA QUALITY



Number

5447

Each

\$0.50

Dresser

EXTRA QUALITY



Number

5449

Each

\$1.50

Plumbers' Pocket Level

BRASS NICKELED



Number

5455

Length

3"

Each

\$0.60

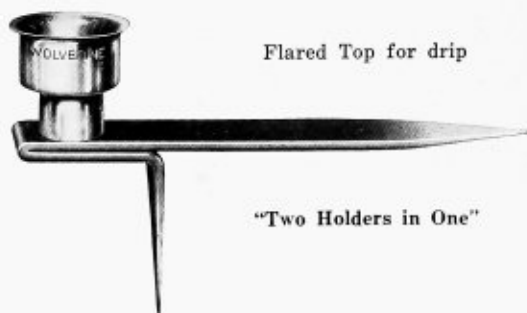




Candle Holder

CUP DRAWN BRASS

STEEL BRACKET



Note
driving
points

Flared Top for drip

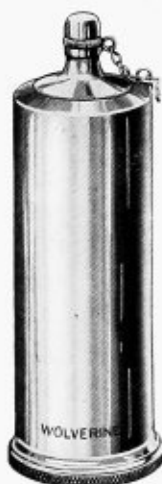
For
floor
or wall

"Two Holders in One"

Number	Description	Each
5460	For $\frac{7}{8}$ " and $1\frac{1}{4}$ " Candles	\$0.50

Pocket Torch

BRASS NICKELED

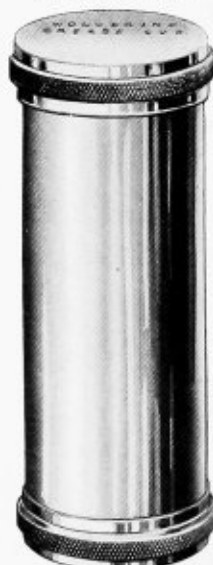


Number	5465
Diameter	$1\frac{1}{2}$ "
Height	5"
Each	\$1.00

Filler screw and burner cast brass
Tube heavy seamless brass
Screw top with chain attached

Grease Box

BRASS NICKELED



Number	5470
Diameter	2"
Height	6"
Each	\$2.00

Cast brass knurled ends
Heavy seamless brass tube
Quick lock cover

Handy Shut-Off

CAST BRASS NICKELED



You cannot afford to be without the "Handy Shut-off." Fits any Ground Joint Basin or Bath Supply, Tank Supplies, Shanks of Bath Cocks, etc.



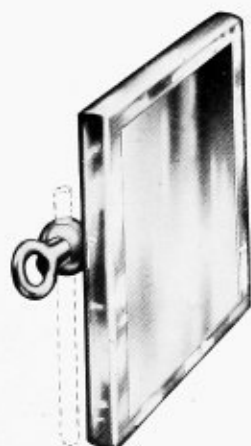
After disconnecting fixtures out of order, attach the "Handy Shut-off" to supply and turn water on building while repairs are being made

Number		Each
5475	Complete	\$1.80

Plumbers' Mirror

FRAME BRASS NICKELED

FOR INSPECTING WORK, ETC.



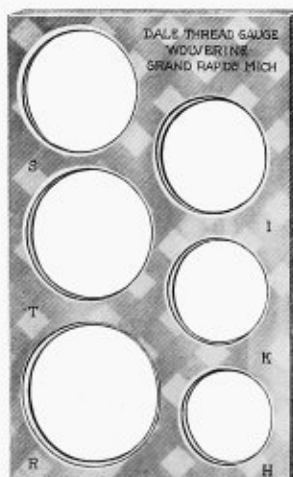
Number	Size	Each
5480	3" x 2 1/2"	\$1.00

Heavy French Plate Mirror
Strong brass frame with adjusting screw to receive wire for handle.

Thread Gauge

POLISHED

FOR BALL COCKS



Number	Each
5485	\$0.70

To accurately determine the threads on Ball Cocks principally used. A valuable addition to the kit.

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AVERAGE TABLE OF WEIGHTS

Thickness	Each Foot across Roll or 3 Square Feet
$\frac{1}{16}$ "	2-Pounds
$\frac{3}{32}$ "	3 $\frac{1}{8}$ -Pounds
$\frac{1}{8}$ "	4 $\frac{1}{4}$ -Pounds

MACHINE SCREWS

NEAREST FRACTIONAL DIAMETER OF AN INCH

Screw No.	6	8	10	12	14
Nearest Diameter	$\frac{1}{8}$ "	$\frac{5}{16}$ "	$\frac{3}{16}$ "	$\frac{7}{16}$ "	$\frac{1}{4}$ "

TABLE OF DECIMAL EQUIVALENTS

of

8THS, 16THS, 32DS, AND 64THS OF AN INCH

For use in connection with the micrometer caliper

[illegible]

First Wolverine Factory

Established 1896

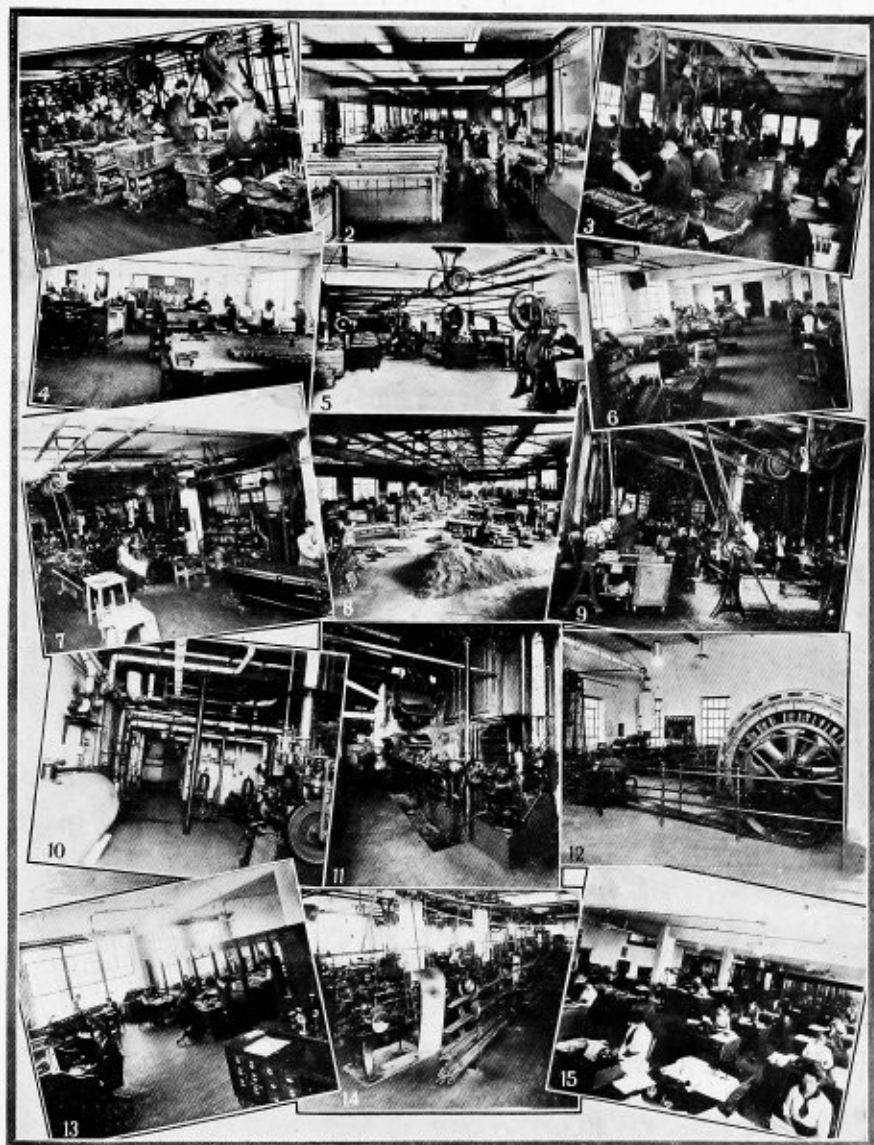


Modern Plant

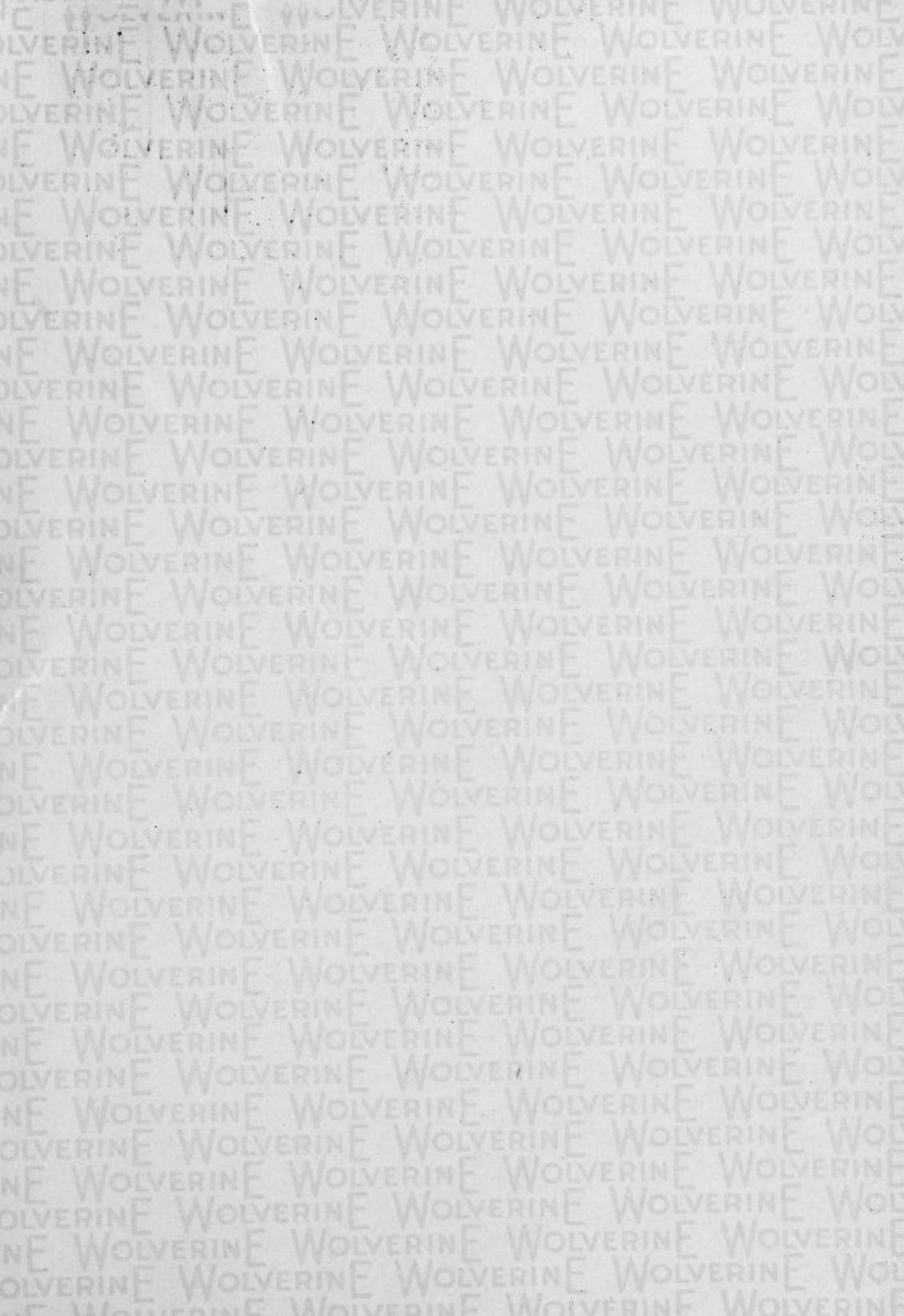
Completed 1914



A few Interior Views of our Present Modern Plant



(1) Section of Polishing Department. (2) Plating Department. (3) Section Buffing Department. (4) Section Assembling Department. (5) Copper Float Section of Press Room. (6) Inspecting Department. (7) Tool Room. (8) North Wing Brass Foundry. (9) Turret Lathes, Department "C". (10) Steam, Water and Electrical Distribution. (11) Battery of Boilers with Automatic Stokers. (12) Engine Room with 400 K. W. Generator. (13) Office of Factory Management. (14) Automatic Screw Machine Department. (15) Section of Billing and Correspondence Office.





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